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*Defense Acquisition
History Project:
Oral History Finding Aid*



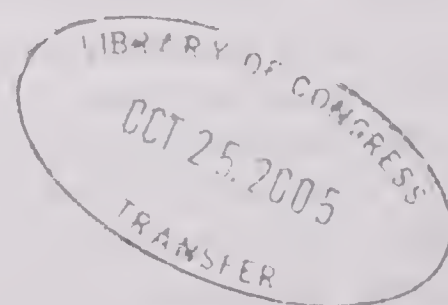
U.S. Army Center of Military History



Defense Acquisition History Project: Oral History Finding Aid

Shannon A. Brown

September 2005



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Defense Acquisition History Project — Oral History Finding Aid

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Preface

In 2000, the Office of the Secretary of Defense (OSD) and the U.S. Army Center of Military History (CMH) initiated a multi-year historical effort to examine the history of defense acquisition since 1945.

Given the enormous scope of the subject and gaps in the written record, the Defense Acquisition History Project team identified oral history interviews as a valuable supplement to the archival sources that will form the foundation of the study. Useful as sources of anecdotal and corroborative information, oral history interviews provide insights into the policy and decision-making processes that often cannot be found in official and other records. The project team undertook this oral history resource survey project for the purpose of assembling the collective institutional memory of the defense acquisition community.

Nearly 750 oral history interviews are detailed in this publication, including several interviews conducted by members of the Defense Acquisition History Project since the first edition of this survey came out in 2001. It should be emphasized, however, that this work is not an exhaustive list of interviews that relate to acquisition in the Department of Defense, but instead represents only the first-year surveying effort of a multi-year project. Oral history in the Department of Defense is an ongoing activity, and, as such, the hard work of civilian and uniformed historians will continue to yield interviews that are relevant to the history of acquisition. Additional updates and revisions to this finding aid may be made available in subsequent years to include these new materials.

Using the Finding Aid

The interviews listed on the pages that follow are organized alphabetically and numbered sequentially; a complete keyword and subject index can be found at the back of this volume. The search terms used in this index include program and system names, place names, persons, and significant keywords.

To obtain copies of the oral history interview transcripts listed in this finding aid, contact the repositories identified with each entry.

Repository Abbreviations

AFHRA – Air Force Historical Research Agency
ARL – Army Research Laboratory
COL – Columbia University Oral History Research Office
DAHP – Defense Acquisition History Project
DTRC – David Taylor Research Center
NADC – Naval Air Development Center
NASM – Smithsonian National Air and Space Museum
NHC – Naval Historical Center
NRL – Naval Research Laboratory
NWC – Naval Weapons Center
USAMC – U.S. Army Materiel Command

USAMCOM – U.S. Army Aviation and Missile Command
USAOSC – U.S. Army Operations Support Command
USASC-FG – U.S. Army Signal Center
USNA – U.S. Naval Academy
USNI – U.S. Naval Institute Oral History Program

Caveats

The Department of Defense and the Armed Services use different citation formats for oral history interviews. In addition, restrictions on the use of the oral history interviews cited in this finding aid vary according to the specific restrictions imposed by the interviewee and the applicable rules and regulations of the repository that retains custody of the interview. Please consult the appropriate staff historians and archivists to determine the correct citation format and to identify any applicable reproduction or citation restrictions before using these interviews in a publication.

Finally, the reader should bear in mind that defense acquisition is a term that encompasses a wide range of defense activities, including research and development, program management, fielding, testing and evaluation, and logistics and procurement, among other functions. All of the interviews detailed in this finding aid include specific information about acquisition, but only in a fraction of these interviews were acquisition issues the focus of the entire exchange between historian and interviewee. Whenever possible, subject and abstract information has been provided to give the researcher a sense of how much relevant material can be found in an interview.

For further information contact the Defense Acquisition History Project at the U.S. Army Center of Military History, Building 35, 103 Third Avenue, Fort McNair, DC 20319-5058, or Dr. Jeffrey Clarke at 202-685-2709.

List of Historical Offices Contacted

In addition to the project's own oral history projects, the Defense Acquisition History Project team contacted several DoD historical offices to obtain information about their oral history holdings. The project archivists requested information about these offices' respective oral history holdings, to include the number and scope of oral histories on file, how they were organized, the number that had been transcribed, and the number that had been digitized. In addition, the project archivists requested oral history bibliographies from these offices. The project archivists contacted the following offices:

Office of the Secretary of Defense

Historical Office

Office of the Chairman of the Joint Chiefs of Staff

Joint History Office

Department of the Air Force

Office of the Air Force Historian

- Air Force Historical Research Agency
- Air Force History Support Office

Department of the Army

U.S. Army Center of Military History

U.S. Army Corps of Engineers

U.S. Army Forces Command

U.S. Army Materiel Command

- U.S. Army Armament Research and Development Center
- U.S. Army Aviation and Missile Command
- U.S. Army Communications and Electronics Command
- U.S. Army Operations Support Command
- U.S. Army Research Laboratory
- U.S. Army Security Assistance Command
- U.S. Army Simulation, Training and Instrumentation Command
- U.S. Army Soldier and Biological Defense Command
- U.S. Army Tank-Automotive and Armaments Command

U.S. Army Military History Institute

U.S. Army Signal Command

U.S. Army Space and Missile Defense Command

U.S. Army Special Operations Command

U.S. Army Test and Evaluation Command

U.S. Army Training and Doctrine Command

- Deputy Commanding General for Transformation
- U.S. Army Air Defense Artillery Center
- U.S. Army Armor Center
- U.S. Army Aviation Center

- U.S. Army Chemical School
- U.S. Army Combined Arms Support Command
- U.S. Army Command and General Staff College
 - Center for Army Lessons Learned
 - Combat Studies Institute
- U.S. Army Engineer School
- U.S. Army Field Artillery Center
- U.S. Army Ordnance Center
- U.S. Army Quartermaster Center
- U.S. Army Signal Center
- U.S. Army Transformation Center

U.S. Army War College

U.S. Military Academy

Department of the Navy

Naval Historical Center

United States Marine Corps

Marine Corps History and Museums Division

Joint, Specified and Unified Commands

U.S. Central Command

U.S. European Command

U.S. Pacific Command

U.S. Southern Command

U.S. Space Command/North American Aerospace Defense Command

U.S. Special Operations Command

U.S. Strategic Command

U.S. Transportation Command

United States Coast Guard

Coast Guard History Office

Defense Agencies

Ballistic Missile Defense Organization

Defense Information Systems Agency

Defense Logistics Agency

Oral History Finding Aid Listing

Abrahamson, Lt. Gen. James A.

Air Force Strategic Defense Initiative Organization

Subject: Ballistic Missile Defense

Interviewer: Lt. Col. Donald R. Baucom, SDIO Historian

Date of Interview: 16 May 1987

Place of Interview: The Pentagon, Washington DC

Location: BMDO History Office

Abrahamson, Lt. Gen. James A.

Air Force Strategic Defense Initiative Organization

Subject: Ballistic Missile Defense

Interviewer: Lt. Col. Donald R. Baucom, SDIO Historian

Date of Interview: 3 November 1988

Place of Interview: The Pentagon, Washington DC

Location: BMDO History Office

Abrams, Bernard

Navy Army - Manhattan Engineer District/Project

Subject: Acquisition - Navy

Contents: Discussion of naval torpedo developments, WWII-1970s; Mk27 model 4 torpedo; Mk37 torpedo; development of torpedo fire control equipment; Mk48 torpedo; discussion of current (ca. 1989) military R&D programs

Biography: Civilian research engineer: Penn State Ordnance Research Lab (WWII); Rusk Development Company; Clevite

Interview Coverage: 1940s-1970s

Interviewer: Dr. Joseph Marchese

Date of Interview: 28-29 August 1989; 9 September 1989

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 98

Location: DTRC

Abrams, Robert

Navy Navy - Navy Laboratories

Subject: Research and Development - Navy

Contents: Review of the history of the Office of the Director of Navy Laboratories; includes discussion of creation of office, first personnel, selection of DNLs

Biography: Staff member, Office of the Director of Navy Laboratories

Interview Coverage: 1960s-1980s

Interviewer: Dr. David K. Allison

Date of Interview: 5 July 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 8

Location: DTRC

Ackerman, MG Michael W.

Army Army - Signal Command

Subject: **Communications - Army**

Contents: Exit interview.

Biography: Commander, U.S. Army Signal Center; Chief of Signal

Date of Interview: 1997

Interview Medium: Tape - Video

Location: USASC-FG

Adams, Dale G.

Army Army - Materiel Command

Subject: **Acquisition - Army**

Biography: Principal Deputy, Acquisition

Date of Interview: 6 February 1998

Interview Medium: Transcript - Paper

Access Information: published interview

Location: USAMC

Adkins, Dr. John

Navy Navy - Office of Naval Research

Subject: **Research and Development - Navy**

Contents: Review of studies of R&D during McNamara period; discussion of Naval Research Advisory Committee; remarks about navy labs, the Mansfield Amendment, Blue Ribbon Defense Panel; Navy Industrial Funding; Project REFLEX; impact of the creation of the National Science Foundation on ONR; centralized management of navy R&D

Biography: Head of Geophysics at ONR; Assistant Chief Scientist of ONR

Interview Coverage: 1950s-1980s

Interviewer: Vincent Ponko, Jr.

Date of Interview: 9 April 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 48

Location: DTRC

Adolph, Charles E.

Air Force Test and Evaluation Office, Air Force

Subject: **Test and Evaluation - OSD**

Biography: Deputy Director, Defense Research and Engineering (Test and Evaluation) (DDR&E[T&E]), Office of the Secretary of Defense, Washington DC, August 1987 - December 1991; Director of Test and Evaluation, Office of the Under Secretary of Defense for Acquisition and Technology, December 1991 - January 1994

Interviewer: Richard P. Hallion

Date of Interview: 29 July 1993 - 15 April 1994

Place of Interview: Office of the Air Force Historian, Washington DC
Length of Interview: 8 hours
Interview Medium: Transcript - Paper
Title: "A Career in Test and Evaluation: Reflections and Observations"
Place of Publication: Washington DC
Publisher: Air Force History and Museums Program/Air University Press
Date of Publication: 1998

Agan, Lt. Gen. Arthur C.
Air Force

Subject: **Research and Development - Air Force**
Contents: Agan's role in development of F-15 air-superiority fighter; difficulties encountered in selling elements within Air Force on need for single-purpose air-to-air fighter; running battle with Enthoven; conclusion of two study groups, one composed of experienced fighter pilots who were triple aces and other composed of high-level officials from Office of the Secretary of Defense and Air Force; role of A-7; relative merits of missiles versus guns on air-to-air fighter; brief remarks on design of F-15

Interview Coverage: 1964-1970
Interviewer: Jacob Neufeld, Office of Air Force History
Date of Interview: 2 October 1973
Interview Medium: Transcript - Paper
Pages: 43
Finding Aids: AFHRA 857
Location: AFHRA

Agnew, Harold

Navy **Army - Manhattan Engineer District/Project**
Subject: **Research and Development - Navy**
Contents: Discussion of Tinian; test flights; small nuclear weapons and communications problems involved
Interview Coverage: 1940s
Interviewer: Albert B. Christman
Date of Interview: January 1967
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 22
Location: DTRC, NWC, NHC

Albright, BG Anthony

Army **Army - Signal Command**
Subject: **Communications - Army**
Contents: Audio tape exists in ACC #404-92, 14-3-4, Box 1.
Biography: Commanding General, U.S. Army Electronics Supply Center, Dayton, OH
Date of Interview: 20 April 1987
Interview Medium: Transcript - Paper
Finding Aids: Collection ACC #88-20, 11-2-2

Location: USASC-FG

Allard, Dr. Dean C.

Navy Navy - Office of Naval Research

Subject: **Research and Development - Navy**

Contents: Discussion of origins of radar and anti-radar

Interview Coverage: 1930s-1940s

Interviewer: Leroy L. Doig, III

Date of Interview: May 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 16

Location: NWC

Allen, Chester

Marine Corps

Subject: **Logistics - Marine Corps**

Contents: Discussion of early USMC service; barrage balloon program,
1943-1946; supply officer duties for Marine operations in Korea;
service as Quartermaster General of the Marine Corps

Biography: USMC Service, 1929-1963; Quartermaster General of the Marine
Corps

Interview Coverage: 1920s-1960s

Interviewer: Mr. Benis M. Frank and Major Lloyd E. Tatem

Date of Interview: 1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 383

Location: Marine Corps Historical Center

Allen, Gen. Lewis, Jr.

Air Force Air Force - Chief of Staff

Subject: **Research and Development - Air Force**

Contents: Strategic missiles; B-1 bomber; A-10 attack aircraft; other aircraft;
role of scientific officers; working relationship with members of
Carter Administration

Biography: Commander, Air Force Systems Command; Chief of Staff, USAF,
HQ USAF, Washington DC, 1978-1982

Interviewer: Dr. James C. Hasdorff

Date of Interview: January 1986

Length of Interview: 7:00 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1694

Location: AFHRA

Allen, General Lewis, Jr.

Air Force **Air Force - Chief of Staff, Commander, Systems Command**

Subject: **Air Force R&D, Program Management; Policy**

Contents: AFSC; management of the B-1 program; Air Force Logistics Command and materiel support; logistics procurement and trade-offs between commands; C-5 program; C-17 program; the effects of inflation on the procurement process; cost estimating; Total Package Procurement and fixed-price procurement; the "revolving door" problem between government and industry; stealth development; DARPA programs; technology; precision weapons; F-5; F-15; acquisition budgets in the 1970s; acquisition corps; NRO; Secretary of Defense Harold Brown; Secretary of Defense Caspar Weinberger; MX missile system; Cruise missile development; hardware testing; prioritizing acquisition requirements and decisions; foreign sales; acquisition budgets under President Carter versus President Reagan; acquisition reform; relations with Congress

Biography: Commander, Air Force Systems Command; Chief of Staff, USAF, HQ USAF, Washington DC, 1978-1982

Interview Coverage: 1970s-1990s

Interviewer: Walton S. Moody

Date of Interview: 22 January 2003

Interview Medium: Transcript – Paper/Electronic

Access Information: Pending

Pages: 50

Location: DAHP

Alpers, Frederick C.

Navy **Naval Weapons Center (China Lake)**

Subject: **Guided Missiles**

Contents: Discussion of early guided missile programs (Bat, Pelican); nuclear weapons and conventional research; shift in missile research to the Naval Ordnance Laboratory at Corona, CA; Walleye II, Puma missile projects (joint interview with Dr. Robert Fletcher)

Interview Coverage: 1950s-1960s

Interviewer: Leroy L. Doig, III

Date of Interview: 27 January 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 89

Location: NWC, DTRC, NHC

Alpers, Frederick C.

Navy

Subject: **Guided Missiles**

Contents: Discussion of early guided missiles; transcript is part of an institutional memory/historical exhibit project; missiles described in interview include Moth, Pelican, Bat, Robin, Bat II/BATTU, Corvus, Petrel, Grebe, Puffin, E-O Bullpup, Flycatcher, Gnatcatcher, Mockingbird, Walleye II, Shrike, Standard ARM, others

Interview Coverage: 1950s-1960s

Interviewer: Leroy L. Doig, III
Date of Interview: 16 November 1982
Interview Medium: Transcript - Paper
Access Information: access limited
Pages: 76
Location: NWC

Alvarez, Dr. Luis W.

Army - Manhattan Engineer District/Project

Subject: **Atomic Energy**

Contents: Discussion of ADM Parsons, Manhattan Project, Los Alamos laboratory

Biography: Physicist; Manhattan Project participant

Interview Coverage: 1940s

Interviewer: Albert Christman

Date of Interview: March 1967

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 32

Location: NWC, DTRC

Amann, Col. Richard W.

Air Force Air Force - Systems Command

Subject: **Research and Development - Air Force-**

Contents: Assumed command of AFSC eight months after its establishment; development of new organization; development of AFSC automation program

Biography: Commander, Research and Acquisition Division, Air Force Systems Command (AFSC), August 1986

Interviewer: Andrew Birtle, AFSC Research and Acquisition Division History

Date of Interview: 13 October 1987

Interview Medium: Transcript - Paper

Pages: 31

Finding Aids: AFHRA 1779

Location: AFHRA

Amilie, Dr. Thomas S.

Navy Naval Weapons Center (China Lake)

Subject: **Guided Missiles**

Contents: Reflections on career at NWC; Sidewinder Missile project; Semi-active Radar Homing missile (SARAH) project; Harpoon missile

Biography: Researcher at Naval Weapons Center; Technical Director at NWC

Interview Coverage: 1950s-1970s

Interviewer: Michelle Ballinger

Date of Interview: 24 August 1976

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 27

Location: NWC, DTRC

Amilie, Dr. Thomas S.

Navy **Naval Weapons Center (China Lake)**

Subject: **Guided Missiles**

Contents: Discussion of “black” missile programs; NWC relationships with HQ and USAF; multi-service R&D programs; problem programs (F/A-18, F-111, AMRAAM)

Biography: Technical Director, Naval Weapons Center

Interview Coverage: 1950s-1970s

Interviewer: Leroy L. Doig, III

Date of Interview: 30 June 1983

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 24

Location: NWC

Amilie, et al, Dr. Thomas S.

Navy **Naval Ordnance Test Station**

Subject: **Guided Missiles**

Contents: Reflections on careers at Naval Ordnance Test Station (NOTS); role of NOTS during Korean War; group discussion of Sidewinder missile development program; NOTS/NWC management philosophy; 1967 reorganization of Navy R&D

Biography: Group discussion - members of the Sidewinder development program at NOTS/NWC

Interview Coverage: 1950s-1970s

Interviewer: William F. Wright and Budd Gott

Date of Interview: 14 March 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 101

Location: NWC, DTRC

Anderson, Dr. Carl

Navy **Naval Ordnance Test Station**

Subject: **Research and Development - Navy**

Contents: Discussion of early rockets for use on aircraft; B-18 aircraft; need for a “rocket czar” to direct development programs; civil-military relations at NOTS; work at CalTech rocket program

Interview Coverage: 1940s-1950s

Interviewer: Albert B. Christman

Date of Interview: 3 October 1970

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 14

Location: NWC, DTRC, NHC

Anderson, Evan

Navy **OSD - Secretary of Defense**

Subject: **Research and Development - Navy**

Contents: Comments on Navy R&D; McNamara and Laird eras; Congress' role in R&D; work in OSD as part of the Base Utilization Division; Director of Defense Research and Engineering (DDR&E) reports; military-industrial relationships

Biography: Staff, OSD; Franklin Arsenal staff; Special Assistant, Chief of Ordnance (navy); work at Office of Director of Defense Research; National Science Foundation

Interview Coverage: 1950s-1970s

Interviewer: Dr. Vincent Ponko, Jr.

Date of Interview: 4 November 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 29

Location: DTRC

Anderson, Gen. Samuel E.

Air Force **Air Force - Air Materiel Command**

Subject: **Research and Development - Air Force**

Contents: WSEG; ARDC; AMC; ALC

Biography: Director, Plans and Operations, Office of Deputy Chief of Staff for Operations, HQ USAF, Washington DC, February 1948 - August 1950; Commander, Eighth Air Force, Carswell AFB, TX, August 1950 - May 1953; Commander, Fifth Air Force, Korea, May 1953 - May 1954; Director, Weapon System Evaluation Group (WSEG), Office of the Secretary of Defense for Research and Development, Washington DC, May 1954 - August 1957; Commander, Air Research and Development Command (ARDC), Baltimore, MD, August 1957 - March 1959; Commander, Air Materiel Command (AMC)/Air Logistics Command (ALC), Wright-Patterson AFB, OH, March 1959 - August 1963

Interviewer: Hugh N. Ahmann

Date of Interview: 28-30 June 1976

Interview Medium: Transcript - Paper

Pages: 551

Finding Aids: AFHRA 905

Location: AFHRA

Andrews, Dr. Dan

Navy **Naval Ocean Systems Center**

Subject: **Research and Development - Navy**

Contents: Work at NOSC; differences between NOTS and NOSC

Biography: Staff, NOSC

Interview Coverage: 1960s-1970s

Interviewer: Albert B. Christman

Appleton, Robert

Navy National Defense Research Committee

Subject: Research and Development - Navy

Contents: Discussion of rocket work within Section H, NDRC; construction at the Naval Powder Factory, Indian Head; changing military receptions of the rocket and aircraft testing; involvement of National Bureau of Standards and CalTech; living conditions at China Lake

Biography: Researcher, Section H, NDRC

Interview Coverage: 1940s-1950s

Interviewer: Albert B. Christman

Date of Interview: 15 April 1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 31

Location: DTRC

Appold, Norman C.

Defense Industry Lockheed Corporation

Subject: Defense Industry

Contents: Power Plant Laboratory, Wright-Patterson AFB, OH, 1955; liquid hydrogen bomb technology; original study of C-5 versus proposal specifications; Military Airlift Command inputs to C-5A; ex-USAF personnel employed with defense contractors; Army inputs to C-5A development; comments on "goldplating"; development of C-5A kneeling landing gear; C-5A cost data development; relationship between USAF systems program office and Lockheed; progress payments; reasons for cost growth on C-5A contract; contractor "buy-ins"; Lockheed-USAF relations; cost overruns; Ernest Fitzgerald, DOD civilian; internal Lockheed problems with C-5A; government in-plant surveillance

Biography: Joined Lockheed Corporation, 1963; Project Director, C-5A aircraft program, Lockheed Corporation

Interview Coverage: 1946-1973

Interviewer: Lt. Col. Lyn R. Officer

Date of Interview: 12-13 December 1973

Interview Medium: Transcript - Paper

Pages: 133

Finding Aids: AFHRA 697

Location: AFHRA

Arbuckle, MG Joseph W.

Army Army - Operations Support Command

Subject: Logistics - Army

Contents: Discussion of career; smart munitions; partnerships with the private sector; Arsenal Act and Arsenal Workload Decisions; Triad; Total Quality Army; Munitions and Armaments Command (MAC); Field Support Command (FSC); Transition to Operations Support Command; Revolution in Military Logistics

Biography: Commanding General, USAOSC, 24 September 1998 - 11

October 2000

Interview Coverage: 1998-2000

Interviewer: Thomas J. Slattery

Date of Interview: 7 September 2000

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 26

Location: USAOSC

Armstrong, MG Alan J.

Marine Corps

Subject: **Logistics - Marine Corps**

Contents: "Best stays" rule for shipping equipment during U.S. withdrawal from Vietnam; Operation Mixmaster versus unit rotation; dual-purpose aircraft; Marine KC-130 transport capability; sea-based mobile logistics system

Interview Coverage: 1962-1973

Date of Interview: September 1973; October 1973

Interview Medium: Transcript - Paper

Pages: 72

Finding Aids: AFHRA 1155

Location: AFHRA

Arnold, RADM Henry

Navy Naval Electronic Systems Command

Subject: **Research and Development - Navy**

Contents: Discussion of disestablishment of Naval Material Command and establishment of Space and Naval Warfare Systems Command (SPAWAR); discussion of NAVELEX; interaction of navy and external research and development centers; coordination of system development and acquisition among the system commands

Interviewer: Dr. Joseph Marchese

Date of Interview: 20 February 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 20

Location: DTRC

Ashworth, VADM Frederick L.

Navy Army - Manhattan Engineer District/Project

Subject: **Research and Development - Navy**

Contents: Discussion of atomic bomb program, role of ADM Parsons in Manhattan Project; recollections about weather conditions and bomb drop decision during Krokura/Nagasaki raid

Interview Coverage: 1940s

Interviewer: John Burnett

Date of Interview: 1956

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 62

Location: NWC, DTRC

Ashworth, VADM Frederick L.

Navy **Naval Proving Ground**

Subject: **Research and Development - Navy**

Contents: Discussion of ADM William S. Parsons; testing of 500-lb bombs at Naval Proving Grounds; Bikini bomb tests; remarks about post-war Navy R&D

Interview Coverage: 1940s-1950s

Interviewer: Albert B. Christman

Date of Interview: April 1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 38

Location: NWC, DTRC, NHC

Ashworth, VADM Frederick L.

Navy **Army - Manhattan Engineer District/Project**

Subject: **Research and Development - Navy**

Contents: Discussion of role of ADM Parsons in Manhattan Project; Parsons' administrative style; remarks about industry and Navy and weapons R&D; effects of short officer tours on R&D; brief discussion of NWC and Navy R&D

Interview Coverage: 1940s-1950s

Interviewer: Albert Christman

Date of Interview: 10 April 1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 98

Location: NWC, DTRC, NHC

Astin, Allen V.

Government **National Bureau of Standards**

Subject: **Research and Development**

Biography: Director of National Bureau of Standards, 1953-1961

Interview Coverage: 1953-1961

Date of Interview: 1967

Interview Medium: Transcript - Paper

Access Information: written permission required to cite, quote, or reproduce

Pages: 58

Finding Aids: OH 49

Location: Eisenhower Library

Atkins, Arthur G.

Air Force **Air Force - Logistics Command**

Subject: **Program Management - Air Force**

Contents: C-141B aircraft stretch modification program from 1973.

Interview Coverage: 1973-1980

Interviewer: Benjamin Vincent, Warner Robins Air Logistics Center

Date of Interview: 12 September 1981

Interview Medium: Transcript - Paper

Pages: 56

Finding Aids: AFHRA 1262

Location: AFHRA

Augenstein, Bruno

Defense Industry RAND

Subject: **Research and Development - Air Force**

Contents: Discussion of early jet projects; ramjet propulsion; RAND contract with Air Force; relationship between Navy and Aerophysics Lab (Huntsville/Von Braun); ICBM and satellite development projects; work with social scientists

Biography: RAND engineer (to 1958); Lockheed engineer

Interview Coverage: 1927-1965

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 28 July 1986; 9 Jan 1987

Length of Interview: 2 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 65

Location: NASM

Augustine, Norman

Army, Defense Industry R&D

Subject: **Research and Development – Army; Program Management; Policy**

Contents: Discussion of competitive prototyping, concurrency, fixed-price contracting; the R&D process and Congress; the DeLauer study; Army R&D during the Vietnam War; R&D and the role of Army Materiel Command; the Fitzhugh Commission; the Army's Big Five; USD David Packard; the Packard Commission; the specter of contractor over-charging; R&D and the JCS; R&D within and among the services; the Grace Commission; acquisitions at OSD level

Biography: Under Secretary of the Army 1975-1977; Assistant Secretary of the Army (R&D), 1973-1975; CEO Martin-Marietta

Interview Coverage: 1960s-1970s

Interviewer: Andrew J. Butrica and Walton S. Moody

Date of Interview: 28 May 2004

Length of Interview: 2 hours

Interview Medium: Transcript – Paper/Electronic

Access Information: Pending

Pages: 51

Location: DAHP

Austin, Maj. Gen. Gordon H.

Air Force

Subject: **Procurement - Air Force**

Contents: Service in Pentagon; origin of Tactical Air Command; design of

early jet fighter aircraft; U.S.-Canada Air Defense Committee; Military Assistance Advisory Group; associates in military career; attendance at Air War College and National War College; Joint Strategic Plans Group at Pentagon; Air Defense Command; North American Aerospace Defense Command (NORAD); Alaskan Air Command; F-36 aircraft; conditions in Alaska; Air Staff Weapons Board at Pentagon; effect of Secretary of Defense Robert S. McNamara on Department of Defense; Skybolt project to develop aerospace bomber aircraft; command and control computer systems; Ballistic Missile Early Warning System (BMEWS); military use of outer space; F-4 aircraft; specialization of Air Force officers; AR-15 rifle for Air Force; National Security Industrial Association

Interviewer: Hugh N. Ahmann

Date of Interview: 20 May 1982

Interview Medium: Transcript - Paper

Pages: 323

Finding Aids: AFHRA 1325

Location: AFHRA

Babers, LTG Donald M.

Army Army - Tank-Automotive Command

Subject: **Program Management - Army**

Contents: Program Manager, Abrams tank; developmental and testing problems; marketing; U.S./German relations; facilitization

Interview Coverage: 1977-1980

Interview Medium: Transcript - Paper

Access Information: File open to all

Pages: 24

Location: USAMC

Bacher, Robert

Defense Industry RAND

Subject: **Research and Development - Air Force**

Contents: Discussion of atomic energy issues; Air Force contracts; development of systems analysis at RAND; spin-off of Systems Development Corporation (SDC) from RAND; comparison of RAND and IDA

Biography: Physicist; Los Alamos researcher; RAND scientist; CalTech faculty

Interview Coverage: 1930s-1950s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 21 July 1987

Length of Interview: 2 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 45

Location: NASM

Bachinski, Anthony J.

Navy Naval Weapons Center (China Lake)

Subject: Research and Development - Navy
Contents: Evolution of Navy armaments test ranges to meet needs of Vietnam-era munitions development; career at NOTS
Interview Coverage: 1950s-1970s
Interviewer: Leroy L. Doig, III
Date of Interview: 27 February 1987
Interview Medium: Transcript - Paper
Access Information: access restricted
Pages: 45
Location: NWC

Baer, LTG Robert J.

Army Army - Tank-Automotive Command
Subject: Program Management - Army
Contents: Program Manager, Abrams tank; MBT-70 and XM803 tank projects; relationships with Congress; prototype competition
Interview Coverage: 1972-1977
Date of Interview: September 1987
Interview Medium: Transcript - Paper
Access Information: File open to all
Pages: 29
Location: USAMC

Bailey, Gary

Navy Naval Weapons Center (China Lake)
Subject: Research and Development - Navy
Contents: Recollection of 15 years of military and civilian service as a pilot at the Naval Weapons Laboratory; discusses role of test pilots in RDT&E programs; describes several accidents involving aircraft and drones at NWC
Biography: Test pilot - Air Test and Evaluation Squadron
Interviewer: Linda Lou Crosby
Date of Interview: 12 December 1985
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 41
Location: NWC, DTRC, NHC

Bainbridge, Dr. Kenneth T.

Navy National Defense Research Committee
Subject: Research and Development - Navy
Contents: Discussion of career at NDRC Radiation Laboratory at MIT in 1940; technical mission of England in 1941; atomic bomb testing
Interview Coverage: 1940s-1950s
Interviewer: unknown
Date of Interview: 1960
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 150

Location: COL

Bainbridge, Dr. Kenneth T.

Navy **Army - Manhattan Engineer District/Project**

Subject: **Research and Development - Navy**

Contents: Discussion of role of ADM Parsons in work at Los Alamos/Manhattan Project

Interview Coverage: 1940s

Interviewer: Albert B. Christman

Date of Interview: 3 April 1966

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 24

Location: NWC, DTRC

Baker, Walter L.

Navy **Applied Research Lab - Penn State**

Subject: **Research and Development - Navy**

Contents: Discussion of career at ARL and Ordnance Research Laboratory (ORL)

Biography: Researcher, Applied Research Laboratory at Pennsylvania State University

Interview Coverage: 1940s

Interviewer: Richard D. Glasow

Date of Interview: 18 August 1980

Interview Medium: Transcript - Paper

Access Information: Open

Location: ARL

Ballentine, ADM John Jennings

Navy **Naval Proving Grounds**

Subject: **Research and Development - Navy**

Contents: Discussion of Ballantine's experiences in testing and development work for the navy; work at Naval Proving Ground (NPG); involvement with Norden Bombsight development

Biography: Staff officer, Naval Proving Grounds

Interview Coverage: 1940s

Interviewer: unknown

Date of Interview: 1964

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 758

Location: COL, NHC

Ballinger, Lt. Col. Walter A.

Air Force **Air Force - Aerospace Guidance/Meteorology**

Subject: **Procurement - Air Force**

Contents: Problems involved in bringing Aerospace Guidance and Meteorology Center (AGMC) Maintenance Management System

(MMS), or Mini-Max, to fruition; benefits resulting from AGMC
MMS; actual-hour cost accounting system; standard-hour
accounting system

Interviewer: George W. Bradley, Newark AFS History Office

Date of Interview: 9 June 1981

Interview Medium: Transcript - Paper

Pages: 36

Finding Aids: AFHRA 1281

Location: AFHRA

Barlow, Edward

Defense Industry RAND

Subject: **Research and Development - Air Force**

Contents: Discussion of early work at Sperry Gyroscope; work on radar
technology during WWII; 12-year career at RAND Electronics
Department; contribution to USAF studies; role in Strategic
Offensive Forces Study preparation; practice of systems analysis
within RAND; total cost concept; nuclear targeting and MAD

Biography: Physicist; RAND researcher; RAND liaison to Office of the
Assistant for Development Planning

Interview Coverage: 1930s-1950s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 10 February 1988

Length of Interview: 7 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 139

Location: NASM

Barnaby, CAPT Ralph

Navy Naval Aviation Development Center

Subject: **Research and Development - Navy**

Contents: Discussion of inter-war aviation R&D in navy; design and evolution
of aircraft; aviation work during WWII

Biography: Commanding Officer, Naval Aviation Development Center

Interview Coverage: 1940s

Interviewer: Albert B. Christman

Date of Interview: April 1978

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 32

Location: DTRC

Barnes, Lt. Gen. Earl W.

Air Force Air Force - Tactical Air Command

Subject: **Research and Development - Air Force**

Contents: Weapons Systems Evaluation Group; Tactical Air Command.

Biography: Weapon System Evaluation Group, 1950; Deputy Commander,
Tactical Air Command, 1953

Interview Coverage: 1945-1957

Interviewer: Hugh N. Ahmann

Date of Interview: 22-23 January 1975

Interview Medium: Transcript - Paper

Access Information: Permission from interviewee required to cite or quote

Pages: 405

Finding Aids: AFHRA 828

Location: AFHRA

Bastedo, George

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of various missile projects at NOL; Bat missile; Dove, Petrel, and Sidewinder missile systems; establishment of Naval Ordnance Lab; transfer to Naval Weapons Center

Interview Coverage: 1940s-1960s

Interviewer: Mickey Strong

Date of Interview: 16 April 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 13

Location: NWC, DTRC

Battell, William F.

Marine Corps

Subject: **Logistics - Marine Corps**

Contents: Discussion of early USMC service; experiences at Army communications center at Fort Monmouth NJ; communications duty, Bureau of Ships (1930s); Director of Material Division, Supply Department, HQMC, 1956-1958; service as Quartermaster General of the Marine Corps, 1963-1965; automation of the Marine Corps supply system; reflections on DoD influence in supply and logistics issues

Biography: USMC Service, 1927-1965; Quartermaster General of the Marine Corps, 1963-1965

Interview Coverage: 1930s-1960s

Interviewer: Major Thomas E. Donnelly

Date of Interview: 1971

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 306

Location: Marine Corps Historical Center

Batzler, RADM Jack

Navy **Space and Naval Warfare Systems Command**

Subject: **Research and Development - Navy**

Contents: Discussion of disestablishment of NAVMAT; establishment of SPAWAR; role as head of SPAWAR 30-WSA&E; problems with systems integration; C3I integration problems; bureaucracy of navy

R&D; comments about preference of Navy leadership for products over concepts in R&D

Biography: First director, SPAWAR 30 (Warfare Systems Architecture and Engineering Directorate)

Interview Coverage: 1960s-1970s

Interviewer: Dr. Joseph Marchese

Date of Interview: 8 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 31

Location: DTRC

Baughn, Brig. Gen. Richard M.

Air Force Air Force - Strategic Air Command

Subject: **Research and Development - Air Force**

Contents: F-105 program; Strategic Air Command

Biography: Project Officer, F-105 program; Commander, 20th Tactical Fighter Wing; Commander, 45th Air Division, Strategic Air Command; Deputy Defense Attaché, Saigon, Republic of Vietnam, June 1974 - March 1975

Interview Coverage: 1945-1975

Interviewer: Hugh N. Ahmann

Date of Interview: 20-21 March 1975

Interview Medium: Transcript - Paper

Pages: 262

Finding Aids: AFHRA 1119

Location: AFHRA

Beach, CAPT Edward Latimer

Navy

Subject: **Research and Development - Navy**

Contents: Recollections of WWII submarine service; development of atomic submarines

Interview Coverage: 1940s-1950s

Interviewer: unknown

Date of Interview: 1967

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 470

Location: COL, NHC

Beach, Dr. Eugene H.

Navy Naval Ordnance Lab - White Oak

Subject: **Research and Development - Navy**

Contents: Discussion of history of Mk48 torpedo; involvement with torpedo R&D at Naval Ordnance Laboratory (NOL); discussion of torpedo "shoot-out" between Westinghouse and Clevite; transfer of Mk48 program from NOL to Naval Underwater Systems Center

Interview Coverage: 1960s-1970s

Interviewer: Dr. Joseph Marchese
Date of Interview: 18 July 1989
Length of Interview: 2 tapes
Interview Medium: Transcript - Paper
Access Information: Open
Location: DTRC

Beach, Dr. Eugene H.

Navy **Naval Ordnance Lab - White Oak**
Subject: **Research and Development - Navy**
Contents: Comments on move of NOL to Navy Yard in 1940l mission of NSWC; consolidation of NOL and Naval Weapons Lab into NSWC in 1974
Biography: Staff, Naval Ordnance Laboratory; Staff, Naval Surface Warfare Center

Interview Coverage: 1950s-1970s
Interviewer: Albert B. Christman
Date of Interview: 31 March 1978
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 17
Location: DTRC

Beatty, MG George

Army **Army - Aviation and Missile Command**
Subject: **Aviation - Army**
Contents: Howze Board (Tactical Mobility Requirements Board of 1961); army aviation organization, doctrine, technology
Interviewer: Dr. Burton Wright III
Date of Interview: 1991
Interview Medium: Transcript - Paper
Access Information: Open; filed alpha in file cabinet, 870-5.4000 series
Pages: 11
Location: AABHO

Beauchamp, MG Roy E.

Army **Army - Materiel Command**
Subject: **Acquisition - Army**
Biography: DCS Research, Development, & Acquisition
Date of Interview: 20 June 1997
Interview Medium: Transcript - Paper
Access Information: review not complete; file availability to be determined
Location: USAMC

Beckmann, Robert F.

Air Force **Air Force - Logistics Command**
Subject: **Logistics - Air Force**
Biography: Procurement contracting officer; head of small business office at Warner Robins Air Logistics Center (WR-ALC), Warner Robins AFB,

1969; served as liaison between U.S. Air Force and industry; Chief of Office of Small and Disadvantaged Business Utilization, WR-ALC

Interviewer: Dr. William Head, Warner Robins Air Logistics Center History

Date of Interview: 26 June 1985, 19 February 1986

Interview Medium: Transcript - Paper

Pages: 62

Finding Aids: AFHRA 1715

Location: AFHRA

Bellis, LTG Benjamin N.

Air Force

Subject: **Program Management - Air Force**

Contents: B-36 aircraft and its problems; Wright-Patterson AFB, OH; Matador missile program; Western Development Division; Industrial College of the Armed Forces; SR-71 aircraft program; F-15 aircraft program

Biography: Commander, Electronic Systems Division; Commander, 17th Air Force; Vice Commander in Chief, U.S. Air Forces in Europe

Interviewer: LTC David C. Ladd, USAF, Air War College, for USAF Oral

Date of Interview: 10-11 January 1985

Interview Medium: Transcript - Paper

Pages: 232

Finding Aids: AFHRA 1629

Location: AFHRA

Belzer, Robert

Defense Industry RAND

Subject: **Research and Development - Air Force**

Contents: Participation in radar-absorbent material research (stealth technology); USAF studies on long-range bombers; work of Technology and Capabilities Panel of the President's Science Advisory Committee

Biography: RAND mathematician

Interview Coverage: 1930s-1950s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 23 July 1987

Length of Interview: 3.25 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 47

Location: NASM

Bender, CAPT James

Navy

Subject: **Test and Evaluation - Navy**

Contents: Discussion of Mk48 torpedo program; fixed-cost contract; Advanced Capability (ADCAP) torpedo; torpedo test and evaluation

Biography: Program project officer, OPNAV

Interview Coverage: 1970s

Interviewer: Dr. Joseph Marchese

Date of Interview: 1 August 1989

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 24

Location: DTRC

Berenson, Dr. Paul J.

OSD

Subject: **Defense Acquisition; Policy**

Contents: Discussion of Defense Acquisition Improvement Program; Secretary of Defense Frank Carlucci; Carlucci initiatives; ASD Vincent Puritano; Richard DeLauer; including industry in acquisition reform; TQM; reducing regulation; requirements and low-bidding; Defense Acquisition Executive (DAE): R&D in the services; streamlining the acquisition process; Soviet acquisition; changes to DoD 5000.1; Goldwater-Nichols; off-the-shelf procurements versus development in the services; DARPA and the internet; R&D spending in relation to procurement spending; computer technology; bureaucratic process; work conditions in OSD: James Wade; Eugene Fubini; TRADOC and acquisition; interoperability and communications; Edward Teller;

Biography: DASD (Requirements), 1977; Chairman, DAIP Working Group; scientific adviser to SACEUR

Interview Coverage: 1980s

Interviewer: Andrew J. Butrica

Date of Interview: 22 August 2002

Interview Medium: Transcript – Paper/Electronic

Access Information: Pending

Pages: 55

Location: DAHP

Bergstrahl, Thor

Navy Naval Research Laboratory

Subject: **Research and Development - Navy**

Contents: Early career at MIT and Bowdin; recruitment by NRL after WWII; upper-atmosphere research; work on V-2, Viking, and Aerobee projects; rocket impact point prediction system; NRL nuclear reactor; work at Ford Aeronautics

Biography: NRL researcher

Interview Coverage: 1940-s1960s

Interviewer: Dr. David DeVorkin

Date of Interview: 1 August 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 70

Location: NASM

Berman, Dr. Alan

Navy **Naval Research Laboratory**

Subject: **Research and Development - Navy**

Contents: Interview about dis-establishment of NAVMAT, establishment of SPAWAR; differences between SPAWAR and old Naval Electronics Systems Command; discussion of transfer of hardware programs into and out of SPAWAR; transfer of R&D centers from Secretariat to operational Navy (Systems Command, SPAWAR); inadequate funding of WSA&E (warfare systems architecture and engineering) research

Biography: Director of Research, NRL

Interview Coverage: 1950s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 7 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 23

Location: DTRC

Berman, Dr. Alan

Navy **Naval Research Laboratory**

Subject: **Research and Development - Navy**

Contents: Career with NRL; perspective on Navy R&D policy-making; R&D management initiatives at Hudson Laboratories and NRL; Navy research requirements from 1952-1982

Biography: Director of Research, NRL

Interview Coverage: 1950s-1980s

Interviewer: Dr. John S. Pitts and Dr. David K. Allison

Date of Interview: 3 June 1982; 10 June 1982; 19 June 1982

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 140

Location: DTRC, NRL

Berman, Dr. Alan

Navy **Naval Research Laboratory**

Subject: **Research and Development - Navy**

Contents: Career with NRL; Navy lab re-organization; civil-military relations between researchers and military; evaluation of Civil Service Commission's policies on R&D; management philosophy; comparison of U.S. and Soviet R&D programs; description of ARPA; suggested changes to Navy's R&D program

Biography: Director of Research, NRL

Interview Coverage: 1940s-1970s

Interviewer: Dr. Vincent Ponko, Jr.

Date of Interview: 22 September 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: DTRC

Beshany, VADM Philip A.

Navy

Subject: **Research and Development - Navy**

Contents: Discussion of transition from diesel to nuclear submarines in 1960s; establishment of bases for nuclear sub fleet; work as Director of Submarine Warfare during development phase of Los Angeles-class attack sub; role as first Deputy Chief of Naval Operations (Submarine Warfare)

Biography: Submariner; Director of Submarine Warfare; Deputy Chief of Naval Operations

Interview Coverage: 1960s

Interviewer: Paul Stillwell

Date of Interview: December 1977; January 1979

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 505

Location: USNI, USNA, NWCM

Besson, GEN Frank S., Jr.

Army **Army - Materiel Command**

Subject: **Program Management - Army**

Contents: Compilation of extracts from speeches and from U.S. Army Military History Institute (USAMHI) and Command Element (CE) interviews

Interviewer: Leventhal

Date of Interview: Various

Interview Medium: Transcript - Paper

Access Information: Completed (access to be determined)

Location: USAMC

Bethel, Ion Maywood

Marine Corps

Subject: **Procurement - Marine Corps**

Contents: Reflections on service with Marine Corps; work in textile engineering before World War II; procurement and supply duties, service as Office in Charge at MCSD, Philadelphia, 1945-1950, and HQMC, 1950-1952; service as Quartermaster General of the Marine Corps, 1957-1958; discussion of Marine Corps supply and procurement procedures

Biography: USMC Service, 1918-1958; Quartermaster General of the Marine Corps, 1957-1958

Interview Coverage: 1920s-1950s

Interviewer: Mr. Benis M. Frank

Date of Interview: 1968

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 115

Location: USMC Historical Center

Bishop, CAPT Charles

Navy **Naval Undersea Warfare Center**

Subject: **Research and Development - Navy**

Contents: Discussion of navy lab administration; remarks about shift of laboratories from R&D, exploratory development, and applied research to program management, systems engineering, and contract management; effects of centralization under McNamara

Interview Coverage: 1960s-1970s

Interviewer: Dr. Mark Jacobsen

Date of Interview: October 1987

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 33

Location: NOSC

Black, COL Clinton M.

Army **Army - Signal Command**

Subject: **Program Management - Army**

Biography: Program Manager, Vertical Installation Automated Baseline, August 1981 - June 1985

Interview Coverage: 1981-1985

Date of Interview: 22 February 1988

Interview Medium: Transcript - Paper

Location: USASC-FG

Blake, Lt. Gen. Gordon A.

Air Force **Air Force - Continental Air Command**

Subject: **Research and Development - Air Force**

Contents: Postwar research and development; creation of Air Research and Development Command; accomplishments of Wright Field Laboratories; construction of Distant Early Warning line; Permanent Joint Board of Defense; Continental Air Command

Biography: Member, Permanent Joint Board of Defense; Commander, Continental Air Command

Interview Coverage: 1945-1967

Interviewer: Arthur K. Marmor, Office of Air Force History

Date of Interview: 14 April 1967

Interview Medium: Transcript - Paper

Access Information: For official use only.

Pages: 60

Finding Aids: AFHRA 621

Location: AFHRA

Blasingame, Paul

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: Career information; work with AAF; Work with RAND on

Development Planning Objective; work on the Titan program;
ballistic missile guidance research and development

Biography: RAND engineer

Interview Coverage: 1930s-1960s

Interviewer: Martin Collins

Date of Interview: 14 November 1990

Length of Interview: 2 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 24

Location: NASM

Blesse, Maj. Gen. F.C.

Air Force Air Force - Inspector General

Subject: **Research and Development - Air Force**

Contents: Brig. Gen. Robin Olds; Col. Daniel E. Farr; taking gun out of
fighter; television sighting unit; compatibility between research,
development and operations; Aim Val/Ace Val

Biography: Deputy Inspector General, U.S. Air Force, HQ USAF,
Washington DC

Interviewer: Lt. Col. Gordon F. Nelson, USAF

Date of Interview: 14 February 1977

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 116

Publisher: Corona Ace Collection

Finding Aids: AFHRA 1077

Location: AFHRA

Blood, Dr. Howard

Navy Naval Ocean Systems Command

Subject: **Research and Development - Navy**

Contents: Discussion of lab merger that created the Naval Ocean Systems
Center (NOSC); describes purpose of NOSC and products

Interviewer: Albert B. Christman

Date of Interview: 10 March 1978

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 16

Location: DTRC

Blouin, Robert

Navy

Subject: **Research and Development - Navy**

Contents: Discussion of Mk48 torpedo program; review of 'Lessons Learned
in the Mk48 Program' - including 5 fundamental shortcomings of
'fixed price contracting'; discussion of interviewee's opinion on
successful R&D program and contract management; research team
assessments

Interview Coverage: 1950s-1960s
Interviewer: Dr. Joseph Marchese
Date of Interview: 1 August 1989
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 24
Location: DTRC

Bodenburg, John

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of navy lab administration; dangers of bureaucratization at R&D centers; remarks about the decline of innovative research at navy labs; changing nature of naval warfare and political aspects of weapons development; problems with SES civil service system; NWC's relations with Washington

Biography: researcher, NWC

Interview Coverage: 1950s-1970s

Interviewer: Elizabeth Babcock

Date of Interview: 30 December 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 67

Location: NWC, DTRC, NHC

Bodensteiner, RADM Wayne

Navy **Space and Naval Warfare Systems Command**

Subject: **Research and Development - Navy**

Contents: Description of NAVMAT's Anti-submarine Warfare (ASW) Systems Program Office, PM-4; discussion of planned re-organization of the Office of the Deputy Chief of Naval Material for Acquisitions, MAT-08; speculation about ADM White's retirement as Chief of Naval Material; rationale behind placing warfare systems architecture and engineering function in SPAWAR

Interview Coverage: 1960s-1970s

Interviewer: Dr. Joseph Marchese

Date of Interview: 12 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 14

Location: DTRC

Bolt, Dr. Richard Henry

Navy **Office of Scientific Research and Development**

Subject: **Research and Development - Navy**

Contents: Description of background and education; work with OSRD; acoustic research

Interview Coverage: 1940s

Interviewer: Richard D. Glasow

Date of Interview: 21 August 1980

Interview Medium: Transcript - Paper

Access Information: Open

Location: NUM

Bowen, Dr. Ira S.

Navy **Naval Ordnance Test Station**

Subject: **Research and Development - Navy**

Contents: Early rocket program at CalTech/NOTS; recollection of accidents at Eaton Canyon and Kellogg; rocket tests at Goldstone Lake

Interview Coverage: 1950s-1960s

Interviewer: Albert B. Christman

Date of Interview: 5 October 1970

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 33

Location: NWC, DTRC, NHC

Bowen, Gilbert

Navy **Navy Ordnance Laboratory**

Subject: **Research and Development - Navy**

Contents: Creation of Vietnam Laboratory Assistance Program (VLAP); operations of VLAP; VLAP management and administration; VLAP projects in support of SEAL teams, Marines, and VLAP-Army program; creation of Navy Science Assistance Program to replace VLAP in peacetime

Interview Coverage: 1960s-1970s

Interviewer: Glenn E. Bugos

Date of Interview: 17 July 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 26

Location: DTRC

Bowen, James

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Program descriptions and recollections; continuous-rod warhead; the BOAR rocket; Project Hindsight; satellite programs; hovering rocket systems; Aerial Training Program; training of new program managers; significance of Naval Ocean Testing Center's underwater projects

Biography: researcher, NWC

Interview Coverage: 1960s-1980s

Interviewer: Elizabeth Babcock

Date of Interview: 2 December 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 71

Location: NWC, DTRC

Bowles, Edward L.

Air Force RAND

Subject: Research and Development - Air Force

Contents: Career information; military-industrial relations discussion; work with Arnold, others in USAF; establishment of USAF Deputy Chief of Air Staff for R&D

Biography: RAND engineer; Special Assistant to Secretary Stimson

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins and Michael Dennis

Date of Interview: 20 August 1987

Length of Interview: 11 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 129

Location: NASM

Bowsher, Charles

Navy, Government

Subject: Defense Acquisition Policy, Budget Process

Contents: Fixed-price incentive contracting; TPP; pricing and costing in the 1960s; the role of industry in procurement and acquisition practice, policy and reform; Robert Charles; David Packard; acquisition management in the Navy; Mark-48 torpedo program; Admiral Hyman G. Rickover; relations between Rickover and CNOs, especially Admiral Elmo "Bud" Zumwalt and Admiral Thomas H. Moorer, as concerns Navy R&D; McNamara's efforts to privatize naval shipbuilding; American shipbuilding industry versus European and Japanese shipbuilding; modernization; B-1 bomber; Naval Industrial Fund; standardization

Biography: Asst. Secretary of the Navy (Financial Management), 1967-71; Comptroller General, 1981-1996

Interview Coverage: 1970s-1990s

Interviewer: Dr. Walter S. Poole

Date of Interview: 3 May 2004

Length of Interview: Two hours

Interview Medium: Transcript – Paper/Electronic

Access Information: Pending

Location: DAHP

Boyd, Col. John R.

Air Force Air Force - Systems Command

Subject: Research and Development - Army

Contents: Air Force Institute of Technology; energy maneuverability; Advanced Research Projects Agency

Biography: Program Monitor, Air Force Systems Command

Interview Coverage:

Interviewer: Lt. Col. John N. Dick, Jr., USAF

Date of Interview: 28 January 1977

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 250

Publisher: Corona Ace Collection

Finding Aids: AFHRA 1066

Location: AFHRA

Boyd, Col. John R.

Air Force Air Force - Systems Command

Subject: **Research and Development - Air Force**

Contents: Energy maneuverability (EM) theory; in-house opposition to EM theory; support from Gen. Howell Estes; selling EM theory to Air Force Systems Command and Tactical Air Command; use of energy maneuverability to predict performance requirements; assignment to Pentagon to work on F-X fighter aircraft; inadequacies of first F-X design submitted by contractors; redesign to lighten aircraft and increase performance; fixed-sweep versus variable-sweep for F-X wing; selection of McDonnell Douglas to build F-15; assignment to Air Force Systems Command as program monitor; F-X versus A-X; single-purpose versus multi-purpose aircraft; maximum maneuver concept

Biography: Program Monitor, Air Force Systems Command

Interview Coverage: 1960-1972

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 23 May 1974

Interview Medium: Transcript - Paper

Access Information: Permission from interviewee required for access to

Pages: 33

Finding Aids: AFHRA 859

Location: AFHRA

Boyd, Gen. Albert

Air Force Air Force - Air Research and Development

Subject: **Test and Evaluation - Air Force**

Contents: Testing of new Air Force jets and rocket planes.

Biography: Deputy Commander for Systems, Air Research and Development Command

Interviewer: Kenneth Leish, Columbia University

Date of Interview: June 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 53

Publisher: Columbia University Aviation Project

Finding Aids: AFHRA 146.34-12

Location: AFHRA

Boyle, John

Navy **Naval Ordnance Test Station**

Subject: **Research and Development - Navy**

Contents: Discussion of “distinguished failures” at NOTS, including SWAB (shallow-water attack boat), Raywinder missile, Loudmouth public-address system for use in Vietnam; work at NSWC between 1973-1983; remarks about management style at China Lake Aviation Ordnance Department

Biography: Researcher, NOTS; Researcher, Naval Surface Warfare Center

Interview Coverage: 1950s-1970s

Interviewer: Elizabeth Babcock

Date of Interview: 31 August 1989

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 98

Location: NWC

Bradley, Gen. Mark E., Jr.

Air Force **Air Force - Logistics Command**

Subject: **Logistics - Air Force**

Contents: Office of Director of Procurement and Industrial Planning, Air Materiel Command; Air Force Logistics Command

Biography: Deputy Commander, First Tactical Air Force Service Command; Deputy Chief of Staff, Fifth Air Force; Commander, 301st Fighter Wing; Office of Director of Procurement and Industrial Planning; Air Materiel Command; Assistant Chief of Staff for Materiel, HQ USAF, Washington DC; Deputy Chief of Staff for Systems and Logistics; Commander, Air Force Logistics Command

Interview Coverage: 1945-1965

Interviewer: Scottie S. Thompson

Date of Interview: 5-8 February 1979

Interview Medium: Transcript - Paper

Pages: 210

Finding Aids: AFHRA 1114

Location: AFHRA

Bradley, Gen. Mark E., Jr.

Air Force **Air Force - Logistics Command**

Subject: **Logistics - Air Force**

Contents: Demobilization problems; lessons learned from World War II; industrial planning and mobilization during Korean War; production problems; NATO buildup; relationship between Air Force Logistics Command (AFLC) and Systems Command; competition in procurement; transition to mixed missile/aircraft force; Logistics Command support of operations in Vietnam; effect of Defense Supply Agency on AFLC support; AFLC responsibility for non-operational aircraft and missiles and Military Assistance Program deliveries; effectiveness of Project MONEY TREE

Biography: Commander, Air Force Logistics Command

Interview Coverage: 1945-1965

Interviewer: Arthur K. Marmor, Office of Air Force History

Date of Interview: 13 July 1965

Interview Medium: Transcript - Paper

Access Information: For official use only.

Pages: 33

Finding Aids: AFHRA 570

Location: AFHRA

Brought, Jack H.

Air Force Air Force - Warner Robins AMA, GA

Subject: Logistics - Air Force

Contents: Warner Robins Air Materiel Area; budget; materiel management; airborne radar; electronic warfare

Biography: Chief, Manpower Organization, Comptroller's Office, Warner Robins Air Materiel Area (WRAMA), GA; Chief, Budget Division, WRAMA; Chief of Plans and Programs, Materiel Management Directorate, WRAMA; Technical Associate, Management Services Division, Materiel Management Directorate, WRAMA; Deputy Chief, Airborne Radar and Electronic Warfare Item Management Division, WRAMA; retired 1975

Interview Coverage: 1945-1975

Interviewer: Dr. Richard W. Iobst

Date of Interview: 15, 18 August 1980

Interview Medium: Transcript - Paper

Pages: 131

Finding Aids: AFHRA 1231

Location: AFHRA

Breeze, Col. William C.

Air Force Air Force - Task Force Alpha

Subject: Research and Development - Air Force

Contents: Nakhon Phanom Royal Thai Air Base; Task Force Alpha (TFA); research and development problems; automatic data processing problems

Biography: Chief, Technical Intelligence Division, Task Force Alpha

Interview Coverage: 1967-1968

Interviewer: Capt. Ralph I. Stearns, USAF

Date of Interview: 15 January 1970

Interview Medium: Transcript - Paper

Access Information: For official use only.

Pages: 23

Publisher: Corona Harvest

Finding Aids: AFHRA 337

Location: AFHRA

Bridgeman, William

Air Force

Subject: **Test and Evaluation - Air Force**

Contents: Testing of Skyrocket and other post-World War II planes

Interviewer: Kenneth Leish, Columbia University Aviation Project

Date of Interview: May 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 45

Finding Aids: AFHRA 146.34-16

Location: AFHRA

Brock, Col. John W.

Air Force

Air Force - 3d Air Division

Subject: **Logistics - Air Force**

Contents: Materiel, logistics and maintenance support of ARC LIGHT operations; organization of maintenance management responsibilities; buildup of munitions storage and loading facilities; deployment to Thailand

Biography: Deputy Chief of Staff, Materiel, 3d Air Division, Guam;
Commander, U Tapao Royal Thai Air Force Base Commander

Interview Coverage: 1965-1966

Interviewer: Kenneth L. Patchin

Date of Interview: 20 December 1968

Interview Medium: Transcript - Paper

Pages: 21

Publisher: Corona Harvest

Finding Aids: AFHRA 170

Location: AFHRA

Brode, Wallace

Subject: **Research and Development**

Biography: Member of President's Committee on Scientists and Engineers, 1957; Science Advisor to the Secretary of State, 1958-1960;
Consultant to President's Science Advisory Committee, 1958-1960

Interview Coverage: 1957-1960

Date of Interview: 1972

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 51

Finding Aids: OH 281

Location: Eisenhower Library

Brooks, Dr. Harvey

Navy

National Defense Research Committee

Subject: **Research and Development - Navy**

Contents: Discussion of career and work at Harvard Underwater Sound Laboratory

Interview Coverage: 1940s

Interviewer: Richard D. Glasow
Date of Interview: 20 August 1980
Interview Medium: Transcript - Paper
Access Information: Open
Location: NUM

Brooks, James L.

Air Force **North American Aircraft Corporation**

Subject: **Test and Evaluation - Air Force**
Biography: Test Pilot, North American Aircraft Corporation
Interviewer: Lt. Col. John N. Dick, Jr., USAF
Date of Interview: 4 February 1977
Interview Medium: Transcript - Paper
Pages: 132
Publisher: Corona Ace Collection
Finding Aids: AFHRA 1073
Location: AFHRA

Brooks, James L.

Air Force

Subject: **Research and Development - Air Force**
Contents: Missile development; guns; simulators; F-5 sales
Interviewer: Lt. Col. John N. Dick, Jr., USAF
Date of Interview: 3 February 1977
Length of Interview: 1:30 hours
Interview Medium: Tape - Audio
Access Information: Pending
Publisher: Corona Ace Collection
Finding Aids: AFHRA 1072
Location: AFHRA

Brown, Dr. Harold

OSD

Subject: **Acquisition -- OSD**

Biography: Secretary of Defense, 1977-1981; Secretary of the Air Force 1965-1969;
DDR&E 1961-1965

Contents: Concurrency versus prototyping (fly-before-buy); F-111; innovation; Zero CEP;
Secretary of Defense Robert McNamara; systems analysis methodology;
ROLLING THUNDER and ECM; R&D during the Vietnam War;
reorganization of acquisition function in OSD in 1977; William Perry; Defense
Resources Board (DRB); technology and innovation; B-1; the "revolving door"
problem; R&D in the services; Program Analysis; costing and politics

Interview Coverage: 1960s-1970s
Interviewer: Walter S. Poole; Walton S. Moody
Date of Interview: 28 January 2004
Interview Medium: Transcript - Paper
Access Information: Pending
Pages: 23
Location: DAHP

Buchholz, MG Douglas

Army **Army - Signal Command**
Subject: **Program Management - Army**
Contents: Exit interview; also exists on audio and video cassette
Biography: Chief of Signal
Interviewer: Carol E. Stokes
Date of Interview: 4 September 1996
Interview Medium: Transcript - Paper
Location: USASC-FG

Bunyard, LTG Jerry Max

Army **Army - Materiel Command**
Subject: **Acquisition - Army**
Biography: DCG Research, Development, & Acquisition
Date of Interview: 14 September 1989
Interview Medium: Transcript - Paper
Access Information: Published; open; retained by AMC
Location: USAMC

Burbules, LTG Peter G.

Army **Army - Materiel Command**
Subject: **Acquisition - Army**
Contents: Force modernization; readiness; ammunition integrated logistics support; streamlined acquisition process
Interviewer: Darius Coppola
Date of Interview: 28 October 1987
Interview Medium: Transcript - Paper
Access Information: File open to all
Pages: 19
Location: USAMC

Burchinal, Gen. David A.

Air Force **Air Force - Strategic Air Command**
Subject: **Research and Development - Air Force**
Contents: Establishment of Aircraft Control and Warning System in Alaska; B-47 training; flying characteristics of B-47; experiences as Strategic Air Command commander; effects of 1958 Defense Reorganization Act; problems in implementation of Joint Strategic Plans Committee; Project FORECAST, cooperative effort of science, industry and military to predict future of weapons and technology; conflicts with Secretary of Defense Robert S. McNamara; explanation of dual-basing concept
Interview Coverage: 1945-1975
Interviewer: COL John B. Schmidt, USA, and LTC Jack Straser, U.S. Army
Date of Interview: 11 April 1975
Interview Medium: Transcript - Paper
Pages: 201
Finding Aids: AFHRA 837
Location: AFHRA

Burke, ADM Arleigh A.

Navy **Office of the Chief of Naval Operations**

Subject: **Research and Development - Navy**

Contents: Discussion of the development and deployment of the Polaris
 weapon system

Biography: Chief of Naval Operations, 1955-1961

Interview Coverage: 1960s

Interviewer: unknown

Date of Interview: September 1972

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 36

Location: NHC, NWCM, USNA, USNI

Burke, ADM Arleigh A.

Navy **Office of the Chief of Naval Operations**

Subject: **Research and Development - Navy**

Biography: Chief of Naval Operations, 1955-1961

Interview Coverage: 1955-1961

Date of Interview: 1972-1973

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 249

Finding Aids: OH 284

Location: Eisenhower Library

Burkhart, Col. M.C.

Air Force **Air Force - Aerospace Research Laboratories**

Subject: **Research and Development - Air Force**

Contents: RB-47; Aerospace Research Laboratories; changeover of 2802d
 Inertial Guidance and Calibration Group to Aerospace Guidance
 and Meteorology Center in November 1968

Biography: Active duty, 1948-1973; SAC pilot; service with Aerospace
 Research Laboratories, Wright-Patterson AFB, OH

Interviewer: George W. Bradley, Aerospace Guidance and Meteorology

Date of Interview: *unknown*

Interview Medium: Transcript - Paper

Pages: 27

Finding Aids: AFHRA 1301

Location: AFHRA

Burns, Dr. Robert O.

Navy

Subject: **Research and Development - Navy**

Contents: Discussion of post-war naval R&D; lab management; planning of
 weapon systems acquisition from 1946-1968; use of project
 guidance methodologies; conflicts between labs, OPNAV, ONR,

and other organizations; impact of DoN and OSD review councils on navy R&D

Biography: Development Director, Office of Naval Research; Chief Scientist, Office of the Chief of Naval Operations (OP-98T)

Interview Coverage: 1940s-1970s

Interviewer: Booz, Allen & Hamilton

Date of Interview: 11 October 1974

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Burns, Maj. Gen. John F.

Air Force Air Force - Edwards AFB, CA

Subject: **Test and Evaluation - Air Force**

Contents: F-4 aircraft; F-5 aircraft; participation in project which evaluated current and projected air combat capability for tactical forces; use of energy maneuverability concept to compare and estimate combat maneuvering performance; study group's conclusion that new tactical fighter was required that emphasized air combat; advocacy of air superiority aircraft that was smaller, lighter and more maneuverable than F-111 and F-4; fighter referred to as F-X (now F-15); promotion effort for F-X; F-15 aircraft evolution and capabilities; disagreement with Project FORECAST study on limited war that predicted that F-111 would be optimized for air superiority role and meet Air Force's requirements through early 1970s; classification of popular idea of relying on air-to-air missiles for conduct of air combat as "big mistake;" staff study called "Force Options for Tactical Air" determined that mixing lower-performance, lower-cost aircraft (A-7) with higher-performance, higher-cost aircraft would result in more cost effective force

Biography: F-4/F-5 test detachment commander, Edwards AFB, CA; Project FORECAST team member

Interview Coverage: 1963-1970

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 22 March 1973

Interview Medium: Transcript - Paper

Pages: 38

Finding Aids: AFHRA 961

Location: AFHRA

Burroughs, RADM Sherman E.

Navy

Subject: **Research and Development - Navy**

Contents: RADM Burroughs reminisces on major 'non-conformist' figures in the history of NOTS/NWC

Interview Coverage: 1940s-1960s

Date of Interview: 9 November 1968

Interview Medium: Transcript - Paper

Access Information: Open

Title: "Twenty-fifth Anniversary Dinner (NOTS/NWC) Speeches"

Pages: 25

Location: NWC, DTRC, NHC

Busey, ADM James

Navy **Office of the Chief of Naval Operations**

Subject: **Research and Development - Navy**

Contents: Discussion of NAVELEX; establishment of SPAWAR;
SPAWAR's role in ASW research; evaluation of SPAWAR
activities

Biography: Vice Chief of Naval Operations

Interview Coverage: 1950s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 20 April 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 38

Location: DTRC

Bush, Col. William H.

Air Force **Air Force - Aerospace Guidance/Meteorology**

Subject: **Logistics - Air Force**

Contents: Activities at Aerospace Guidance and Meteorology Center
(AGMC); work on Mini Max, AGMC maintenance management
system; consolidation of all calibration programs in Department of
Defense

Biography: Commissioned in USAF Officer Candidate School, 1951;
Minuteman missile crew commander, 1966; Commander, 44th
Strategic Missile Wing, 1973-1975

Interviewer: George W. Bradley, Aerospace Guidance and Meteorology

Date of Interview: 14 August 1981

Interview Medium: Transcript - Paper

Pages: 14

Finding Aids: AFHRA 1323

Location: AFHRA

Bush, Vannevar

OSD **National Defense Research Committee**

Subject: **Acquisition**

Contents: Discussion of work on "10th Fleet" with ADM King; need for funding
and independence by the national scientific establishment; A-bomb
development by army-navy; NDRC; interference in military R&D
by Joint Chiefs of Staff

Interview Coverage: 1940s-1950s

Interviewer: Albert B. Christman

Date of Interview: 26 January 1971

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 8

Location: DTRC

Bushong, Col. Eugene M.

Air Force Air Force - Aerospace Guidance/Meteorology

Subject: **Logistics - Air Force**

Contents: Expansion of maintenance workloads; upgrade of meteorology program; improvements in physical condition of Aerospace Guidance and Meteorology Center (AGMC); establishment of new management systems directorate; parts price controversy at AGMC; views on future of AGMC

Biography: Vice Commander, Aerospace Guidance and Meteorology Center, 1983-1985

Interviewer: Carl B. Beamer, Aerospace Guidance and Meteorology Center

Date of Interview: 21 March 1985

Interview Medium: Transcript - Paper

Pages: 37

Finding Aids: AFHRA 1750

Location: AFHRA

Byrnes, CAPT James

Navy Naval Ordnance Test Station

Subject: **Research and Development - Navy**

Contents: Plans for permanent post-war naval research establishment; development of NOTS as a response to strengthening the shore establishment to support a two-ocean navy; names of people involved with early NOTS

Interview Coverage: 1940s-1950s

Interviewer: Albert B. Christman

Date of Interview: May 1967

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 31

Location: DTRC

Campbell, James

Navy Naval Ordnance Test Station

Subject: **Research and Development - Navy**

Contents: Discussion of underwater acoustics research at Pasadena annex of NOTS; porpoise and bat research at Naval Undersea Research and Development Center (later Naval Ocean Systems Center)

Interview Coverage: 1940s-1950s

Interviewer: Elizabeth Babcock

Date of Interview: 25 January 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 35

Location: NWC, DTRC, NHC

Campbell, John H.

Navy Naval Research Laboratory

Subject: Atomic Energy

Contents: Participation of Naval Research Laboratory (NRL) employees with above-ground nuclear testing; GREENHOUSE and IVY tests

Biography: Group interview: Joseph A. Curcio, Steven Gorbics, Donald F. Hansen, Dr. Ernest H. Krause, Charles Petty, Dr. John Sanderson, Marion Shuler, Harold Stewart

Interview Coverage: 1940s-1950

Interviewer: Louis F. Drummeter, Jr.

Date of Interview: 1984

Interview Medium: Tape - Audio

Access Information: Open

Location: NRL

Campbell, Lt. Gen. William J.

Air Force Air Force - Air Staff

Subject: Research and Development - Air Force

Contents: F-86 combat training, Nellis AFB, NV; 36th Fighter-Day Wing, Bittburg AB, FRG; F-86 aircraft; F-100 aircraft; B-47 training; 301st Bombardment Wing

Biography: Commandant, USAF Aerospace Research Pilot School, January 1971; Commander, 6th Strategic Wing; Deputy Chief of Staff for Plans, HQ USAF, Washington DC; Director, Programs, Office of the Deputy Chief of Staff, Programs and Evaluation, HQ USAF, Washington DC

Interviewer: Lt. Col. Paul Gill, USAF, Air War College student, for USAF Oral

Date of Interview: 16-19 November 1985

Length of Interview: 7:30 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1689

Location: AFHRA

Carlton, Gen. P.K.

Air Force Air Force - Strategic Air Command

Subject: Research and Development - Air Force

Contents: Primary strengths and weaknesses of B-58 aircraft; research, development and procurement of B-58; entry of B-58 into Strategic Air Command (SAC) inventory; B-58 compared to other SAC bombers; B-58 operations; FB-111 aircraft

Interview Coverage: 1950-1968

Interviewer: Cargill Hall

Date of Interview: 23 September 1980

Interview Medium: Transcript - Paper

Pages: 24

Finding Aids: AFHRA 1277

Location: AFHRA

Carnell, Col. Ben H.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: Assistance to South Vietnamese Air Force (VNAF) in development of single depot for logistical support; establishment of facilities; training of personnel; development of self-sufficiency; general background of VNAF Improvement and Modernization Program; Enhance Plus Program; role of U.S. personnel and assistance to VNAF since ceasefire; assessment of VNAF's ability to perform its mission; major problems facing VNAF logistics system

Biography: Director, Air Logistics Command

Interview Coverage: 1972-1973

Date of Interview: 23 November 1973

Interview Medium: Transcript - Paper

Pages: 16

Publisher: Project CHECO (Contemporary Historical Examination of Current Operations)

Finding Aids: AFHRA 872

Location: AFHRA

Carome, Dr. Edward F.

Navy Naval Research Laboratory

Subject: Research and Development - Navy

Contents: Role of Naval Research Laboratory (NRL) in fiber-optic technology development; work on Fiber Optics Sensor System (FOSS) tri-service project; hydrophone patents

Biography: Researcher, NRL

Interviewer: Dr. David K. Allison

Date of Interview: 5 August 1980

Interview Medium: Tape - Audio

Access Information: Open

Location: NRL

Carpenter, Lt. Gen. John W. III

Air Force Air Force - Air Staff

Subject: Research and Development - Air Force

Biography: Test Pilot, Bombardment Training Division, Washington DC; Commander, 5th Reconnaissance Group; Vice Commander, Arnold Engineering Development Center, HQ Air Research and Development Command; Commander, Air Force Flight Test Center; Deputy Director/Director of Plans, HQ USAF, Washington DC; Assistant Chief of Staff for Plans and Operations (JCS matters), HQ USAF; Commander, Air University; Assistant Vice Chief of Staff, HQ USAF; retired 1970

Interview Coverage: 1945-1970

Interviewer: Lt. Col. Arthur W. McCants, Jr., USAF, and Maj. Scottie S.

Date of Interview: 9-12 January 1979

Interview Medium: Transcript - Paper

Pages: 300

Finding Aids: AFHRA 1110

Location: AFHRA

Carter, Anne (Nancy)

Navy Naval Ordnance Test Station

Subject: **Research and Development - Navy**

Contents: Discussion of NOTS Sidewinder missile program; comments about management and structure of old Aviation Ordnance Department at NOTS; 1983 supplement includes a restatement of the Sidewinder program history

Interview Coverage: 1950s-1960s

Interviewer: Elizabeth Anderson and Margaret Paralee Barnes

Date of Interview: 1 May 1975, 8 November 1983

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 74

Location: NWC

Carter, Wade D.

Air Force Air Force - Warner Robins Air Logistics Center,

Subject: **Logistics - Air Force**

Contents: Discusses time compliance technical order (TCTO) incorporated into F-15 program by Warner Robins Air Logistics Center; approximately 30 TCTOs performed on almost every one of plane's systems; 8,000-hour aircraft life; X-ray operations on F-15 to detect flaws and metal fatigue; F-100 engine; use of J79 engine in F-16; force readiness of F-15 fleet

Interviewer: Dr. Richard W. Iobst, Warner Robins Air Logistics Center History

Date of Interview: 20 February 1980

Interview Medium: Transcript - Paper

Pages: 16

Finding Aids: AFHRA 1250

Location: AFHRA

Carter, et al, Wade D.

Air Force Air Force - Warner Robins Air Logistics Center,

Subject: **Logistics - Air Force**

Contents: Series of oral history interviews concerning logistical management and support for F-15 aircraft in FY 1979; interviews with military and civilian personnel closely connected with management of F-15 program; candid appraisals of logistical support for F-15; F-15 operational life; number in inventory; number of F-15s delivered to Saudi Arabia and Israel; kit-supportable modifications; problems with F-100 engine; organic support capability; handling foreign military sales; Red Flag exercises; time compliance technical orders; depot support; F-15 activations during FY 1979; war readiness spares kits; weapons training detachment

Interview Coverage: 1979

Interviewer: Dr. Richard W. Iobst, Warner Robins Air Logistics Center History

Date of Interview: February 1980; March 1980

Interview Medium: Transcript - Paper

Pages: 271

Finding Aids: AFHRA 1217

Location: AFHRA

Casey, Lt. Gen. Maurice F.

Air Force Joint Chiefs of Staff

Subject: **Logistics - Air Force**

Contents: NATO logistics; logistics as national responsibility; rationalization, standardization and interoperability as new fields for logisticians; military airlift; 60th Military Airlift Wing; isochronal maintenance; problems with airline strike and labor unions; response to Pueblo incident; airlift consolidation; awareness of transportation; transportation funding and significance; Middle East crisis; assignment to Israel concerning equipment; interview contains selected bibliography of Casey's articles and speeches published while on active duty concerning air transport, handling and packaging, transportation and military-civilian airlift

Biography: Director of Transportation, HQ USAF, Washington DC; Director of Logistics, Organization of the Joint Chiefs of Staff (J-4, OJCS), 1973-1977

Interview Coverage: 1945-1977

Interviewer: Maj. Pember W. Rocap, USAF

Date of Interview: 10 November 1977

Interview Medium: Transcript - Paper

Access Information: Paper transcript unclassified, but only portion of interview

Pages: 16

Finding Aids: AFHRA 1058

Location: AFHRA

Catledge, Maj. Gen. Richard C.

Air Force Air Force - Tactical Air Command

Subject: **Test and Evaluation - Air Force**

Contents: Specialization of aircraft; no guns in aircraft; 3d Tactical Fighter Wing, Bien Hoa, Vietnam; support for ground forces; support for C-123; construction program at Luke AFB; F-104 Fighter Weapons Course; importance of Tactical Air Warfare Center programs; joint task force on Maverick missile

Biography: Chief, Tactical Evaluation Team; Commander, 4510th Crew Combat Training Wing; Inspector General, Tactical Air Command; Commander, Tactical Air Warfare Center

Interviewer: 1st Lt. Wayne D. Perry, USAF

Date of Interview: 30 September 1987; 9 December 1987

Interview Medium: Transcript - Paper

Pages: 94

Finding Aids: AFHRA 1768

Location: AFHRA

Catton, Gen. Jack J.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: Replacement of Gen. Haywood Hansell with Gen. Curtis LeMay as 21st Bomber Command CG; first postwar atomic weapons tests; problems in formation of Strategic Air Command; difficulties with Secretary of Defense (SECDEF) Robert McNamara while at Pentagon; over concentration of powers under SECDEF; mission difficulties while commander of Military Airlift Command and Air Force Logistics Command; incident with Senator William Proxmire over aircraft refurbishment

Biography: Commander, Military Airlift Command; Commander, Air Force Logistics Command

Interview Coverage: 1945-1974

Interviewer: Dr. James C. Hasdorff

Date of Interview: 19-20 July 1977

Interview Medium: Transcript - Paper

Pages: 262

Finding Aids: AFHRA 952

Location: AFHRA

Cercy, MG James C.

Army Army - Laboratory Command

Subject: Research and Development - Army

Contents: Army reorganization; ERADCOM; Laboratory Command (LABCOM); research, development and evaluation (RDE) centers; independent research and development (IR&D); government industry partnerships

Interviewer: Dr. William Moye

Date of Interview: May 1987

Interview Medium: Transcript - Paper

Access Information: File open to all

Location: USAMC

Chait, Dr. Richard

Army Army - Materiel Command

Subject: Research and Development - Army

Biography: Chief Scientist

Date of Interview: 23 May 1990

Access Information: review not complete; file availability to be determined

Location: USAMC

Chambers, Lt. Col. Everett A.

Air Force Air Force - Military Airlift Command

Subject: Procurement - Air Force

Contents: Military Air Transport Service C-141 program; testing, design, engineering and development; development panel and coordinating committee; operation; lead-the-force program; early failures; modifications; Category II program; lessons learned from C-141

program; concurrency procurement; C-5 and C-141 weight reduction; comparison of C-5 and C-141 programs

Interview Coverage: 1959-1972

Interviewer: Walter L. Kraus

Date of Interview: 1 March 1972

Interview Medium: Transcript - Paper

Pages: 53

Finding Aids: AFHRA 591

Location: AFHRA

Charles, Robert H.

Air Force Air Force - Asst. Sec. for Installations/Logistics

Subject: Procurement - Air Force

Contents: Role as consultant for National Aeronautics and Space Administration; methods of awarding contracts for aircraft and weapon systems development; development and implementation of total package procurement (TPP) contracting methodology; development problems with experimental tactical fighter (TFX); F-111 development problems; C-5A engine development; reasons for cost overruns; choice of Lockheed for C-5A aircraft development; TPP effects on "design freezing;" Secretary of Defense Robert S. McNamara's views on value of competitive approach to awarding contracts; dissatisfaction with industry's management of minority groups; ranking Air Force retirees in industry; status of C-5A program upon leaving office; Lockheed's performance on C-5A; cost control and monitoring by Air Force and Lockheed; failure of Air Force (AF) to notify Congress of C-5A cost overrun; attempted AF gagging of Ernest Fitzgerald resulted in martyr status; Holifield Commission findings; cancellation of Dyna-Soar; role Congress should play in weapon system procurement; necessity of periodic updating of zero-defects-type program

Biography: Assistant Secretary of the Air Force for Installations and Logistics

Interview Coverage: 1945-1969

Interviewer: Lt. Col. Lyn R. Officer, USAF

Date of Interview: 21-22 January 1974

Interview Medium: Transcript - Paper

Pages: 160

Finding Aids: AFHRA 716

Location: AFHRA

Chartier, Woodrow

Navy Naval Weapons Center (China Lake)

Subject: Research and Development - Navy

Contents: Discussion of A-7 support activity at NWC; interview to aid in the preparation of a history of the A-7 activity, entitled "What Have You Done for the Fleet Today? A Brief History of the A-7 Weapon System Support Activity" (NWC Pub391); relationships between NWC, contractors, Washington, navy, and sponsors; fielding of a product

Biography: Group interview: CAPT Joseph Clinton, Robert Freedman, VADM E.R. Seymour, Americo Vescovio
Interviewer: Leroy L. Doig, III
Date of Interview: 19 August 1987
Interview Medium: Transcript - Paper
Access Information: access limited
Pages: 57
Location: NWC

Charyk, Joseph V.

Air Force Air Force - Chief Scientist
Subject: **Research and Development - Air Force**
Contents: Multi- versus single-purpose aircraft; considerations of aircraft commonality; F-111; research, development and procurement through General Dynamics; U.S. Navy opposition to experimental tactical fighter (TFX); role of Service secretary in Department of Defense (DOD); C-5A; research, development and procurement; development of Phoenix missile; development of short-range missile; development of Skybolt missile; congressional influence in contracts; monitoring of contractors by DOD; manned bomber/missile controversy; communications satellite development
Biography: USAF Chief Scientist; Under Secretary of Air Force
Interview Coverage: 1958-1963
Interviewer: Dr. James C. Hasdorff
Date of Interview: 24 April 1974
Interview Medium: Transcript - Paper
Access Information: Permission from interviewee required to cite or quote
Pages: 88
Finding Aids: AFHRA 728
Location: AFHRA

Chen, MG William S.

Army Army - Missile Command
Subject: **Research and Development - Army**
Contents: End-of-tour interview; SAM-D; CHAPARRAL; MICOM; Total Quality Management (TQM); HELLFIRE; Multiple-Launch Rocket System (MLRS); ATACMS; PATRIOT
Biography: Assistant Deputy for Systems Management/Director, Program Management and Oversight, Office of the Assistant Secretary for Research, Development and Acquisition, HQDA, Washington DC; Deputy Director for Weapon Systems, Office of the Deputy Chief of Staff for Research, Development and Acquisition, HQDA, Washington DC; Project Manager, Division Air Defense Gun, Picatinny Arsenal, NJ; Project Manager, CHAPARRAL missile system, U.S. Army Missile Command (MICOM), Redstone Arsenal, AL; Chief, Munitions Division, Office of the Deputy Chief of Staff for Research, Development and Acquisition, HQDA, Washington DC; Commander, 1st Battalion, School Brigade, U.S. Army Ordnance and Chemical Center and School, Aberdeen

Proving Ground, MD; Commanding General, MICOM, Redstone Arsenal, AL, October 1989 - July 1992

Interview Coverage: 1989-1992

Interviewer: Michael E. Baker, James D. Browne, Claus R. Martel, MICOM

Date of Interview: 9 July 1992

Interview Medium: Transcript - Paper

Pages: 6

Location: USAAMCOM

Chesarek, GEN Ferdinand J.

Army Army - Materiel Command

Subject: **Acquisition - Army**

Contents: AMC command management; readiness; materiel acquisition; fielding; logistics

Interviewer: Marken Birdsell

Date of Interview: December 1984

Interview Medium: Transcript - Paper

Access Information: File open to all

Pages: 44

Location: USAMC

Christie, Thomas

Air Force

Subject: **Research and Development - Air Force**

Contents: Evolution of energy maneuverability theory (EM) (new way of examining energy management and performance characteristics of fighter aircraft); application of EM theory to fighter design and tactics; EM theory made point-type analysis (speed and altitude analysis) of fighter aircraft obsolete; work with Maj. John Boyd, USAF, using computers to calculate aircraft performance; Tactical Air Command first applied EM theory; John Burns developed EM methodology to make comparisons between aircraft performance; application of EM theory to analysis of F-15 aircraft; promotion of cost as main consideration as opposed to performance in considering force options

Interview Coverage: 1963-1973

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 3 October 1973

Interview Medium: Transcript - Paper

Pages: 24

Finding Aids: AFHRA 962

Location: AFHRA

Christman, Albert B.

Navy

Subject: **Research and Development - Navy**

Contents: Survey of pre-WWI Navy R&D activities; world war and interwar naval research; WWII and naval R&D; difficulties involved in contemporary R&D planning; increasing bureaucracy of Navy R&D; reorganization of naval R&D elements in the mid-1960s

Interview Coverage: 1900-1970s
Interviewer: Robert J. Taormina
Date of Interview: 8 January 1980
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 59
Location: DTRC

Cianciolo, LTG August M.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Duties of Military Deputy position; changes in acquisition process; views on management; Army Acquisition Corps; relations with Congress; research, development and acquisition (RD&A) budget

Biography: Project Manager, Standoff Target Acquisition/Attack System, Army Electronics Research and Development Command, Fort Monmouth, NJ; Project Manager, Multiple Launch Rocket System, U.S. Army Missile Command (MICOM), Huntsville, AL; Deputy for Systems Management/Director of Weapon Systems, Office of Deputy Chief of Staff for Research, Development and Acquisition, Department of the Army, Washington DC; Commanding General, MICOM, Huntsville, AL; Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland

Date of Interview: 2 July 1991

Place of Interview: Pentagon, Washington DC

Interview Medium: Transcript – Paper

Cianciolo, LTG August M.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Research, development and acquisition (RD&A) staffing; civilianizing Army Acquisition Corps; Packard Commission; test and evaluation role; concurrency; risk; changes in acquisition policy; performance in Desert Storm; Office of the Secretary of Defense and budget; reorganization of industry

Biography: Project Manager, Standoff Target Acquisition/Attack System, Army Electronics Research and Development Command, Fort Monmouth, NJ; Project Manager, Multiple Launch Rocket System, U.S. Army Missile Command (MICOM), Huntsville, AL; Deputy for Systems Management/Director of Weapon Systems, Office of Deputy Chief of Staff for Research, Development and Acquisition, Department of the Army, Washington DC; Commanding General, MICOM, Huntsville, AL; Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland

Date of Interview: 22 July 1991

Interview Medium: Transcript - Paper

Cianciolo, LTG August M.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Smart munitions; manufacture of munitions; modernization and the acquisition process; Desert Storm

Biography: Project Manager, Standoff Target Acquisition/Attack System, Army Electronics Research and Development Command, Fort Monmouth, NJ; Project Manager, Multiple Launch Rocket System, U.S. Army Missile Command (MICOM), Huntsville, AL; Deputy for Systems Management/Director of Weapon Systems, Office of Deputy Chief of Staff for Research, Development and Acquisition, Department of the Army, Washington DC; Commanding General, MICOM, Huntsville, AL; Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland

Date of Interview: 2 August 1991

Interview Medium: Transcript - Paper

Cianciolo, MG August M.

Army **Army - Missile Command**

Subject: **Research and Development - Army**

Contents: End-of-tour interview; MICOM Research, Development and Engineering Center; Army Materiel Command (AMC); Total Quality Management (TQM); National Aeronautics and Space Administration (NASA); Marshall Space Flight Center

Biography: Project Manager, Standoff Target Acquisition/Attack System, Army Electronics Research and Development Command, Fort Monmouth, NJ; Project Manager, Multiple Launch Rocket System, U.S. Army Missile Command (MICOM) Huntsville, AL; Deputy for Systems Management/Director of Weapon Systems, Office of Deputy Chief of Staff for Research, Development and Acquisition, Department of the Army, Washington DC; Commanding General, MICOM, Huntsville, AL

Interview Coverage: 1988-1989

Interviewer: Michael E. Baker and Kaylene Hughes

Date of Interview: 27 September 1989

Interview Medium: Transcript - Paper

Pages: 7

Location: USAAMCOM

Clare, Dr. Thomas

Navy **Space and Naval Warfare Systems Command**

Subject: **Research and Development - Navy**

Contents: Interview relates to the disestablishment of NAVMAT and establishment of SPAWAR; discussion of command, communications, and control (C3); relations between SecNav and VADM Glenwood Clark, commander of SPAWAR; differences

between Special Projects Office and systems commands

Interviewer: Dr. Joseph Marchese

Date of Interview: 4 April 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 22

Location: DTRC

Clark, Lt. Gen. Albert P.

Air Force Air Force - Tactical Air Command

Subject: **Research and Development - Air Force**

Contents: Modification of F-4E for use in Southeast Asia against Soviet-built MiG-21; need for effective fighter aircraft; problems with multi-purpose aircraft serving as air superiority fighters; Tactical Air Command (TAC) decision to settle for 2.5-mach-speed fighter; limitations of F-4 and F-105 aircraft as air superiority fighters; recommendation of single-purpose fighter aircraft over multi-purpose aircraft by generals Gabriel Disosway, Hunter Harris and Bruce Holloway; Disosway's uniting of Tactical Air Command to attain single-purpose fighter aircraft; TAC problems with escalation of Southeast Asian war; Gen. John McConnell's insistence that once Air Force policy was determined, Air Force should speak with "one voice" and hold personal opinions in check

Interview Coverage: 1964-1968

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 2 May 1973

Interview Medium: Transcript - Paper

Pages: 9

Finding Aids: AFHRA 858

Location: AFHRA

Clark, VADM Glenwood

Navy Space and Naval Warfare Systems Command

Subject: **Research and Development - Navy**

Contents: Lengthy discussion of dis-establishment of NAVMAT, establishment of SPAWAR; remarks about need for additional changes in the navy's material and acquisition programs; controversy surrounding use of overhead for WSA&E research; 'haul-down' report (1985); conflicts between SPAWAR and systems commands over hardware R&D

Interviewer: Dr. Joseph Marchese

Date of Interview: 23 May 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 72

Location: DTRC

Clark, VADM Glenwood

Navy **Space and Naval Warfare Systems Command**

Subject: **Research and Development - Navy**

Contents: Discussion of role in acquisition and WSA&E; lengthy discussion of administration, funding, scope, limitations of navy R&D labs; problem of 'encroachment' in technology development areas by other agencies and private firms; discussion of three major R&D studies by Cooper-Lybrand, Defense Science Board, and IDA; comments about the future of naval R&D

Interviewer: Dr. Joseph Marchese

Date of Interview: 15 September 1988

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 50

Location: DTRC

Cleeton, Dr. Claude R.

Navy **Naval Research Laboratory**

Subject: **Research and Development - Navy**

Contents: Discussion of work on naval electronics projects; radar research; Space Surveillance System program

Biography: Researcher, NRL

Interviewer: Dr. David K. Allison

Date of Interview: 22 January 1979

Interview Medium: Tape - Audio

Access Information: Open

Location: NRL

Clements, Sally

Army **Army - Materiel Command**

Subject: **Program Management - Army**

Contents: Project management in Army Material Command (AMC), 1962-1975

Interview Coverage: 1962-1975.

Interviewer: Copolla, Darius, Johnson, Leventhal

Date of Interview: September 1987

Interview Medium: Transcript - Paper

Access Information: File open to all

Location: USAMC

Cochrane, Charles B.

OSD **Education**

Subject: **Defense Acquisition Workforce, Education**

Contents: Discussion of early history and contemporary workings of the Defense Acquisition University; professionalization of the acquisition workforce; challenges facing acquisition professionals (military and civilian); changes in the acquisition process and culture.

Biography: Director, Center for Program Management, DAU; U.S. Army

Interview Coverage: 1980-2004

Interviewer: Carolyn C. Höfig
Date of Interview: 21 September 2004
Length of Interview: 1 hour
Interview Medium: Transcript – Paper/Electronic
Access Information: Pending
Pages: 16
Location: DAHP

Coffey, Earl E.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: F-15 workload; foam modifications on F-15 aircraft; Pacer Stack/Speedline program, which covers depot-level time compliance technical order (TCTO) update

Interviewer: Dr. Richard W. Iobst

Date of Interview: 29 February 1980

Interview Medium: Transcript - Paper

Pages: 21

Finding Aids: AFHRA 1251

Location: AFHRA

Coffey, Earl E.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Annual number of F-15 aircraft updated by depot maintenance; depot-activated task force objectives; complexity of F-15 support; time compliance technical order (TCTO) updates; foam modification (firefighting modification to protect aircraft from certain types of damage); Pacer Stack/Speedline, depot-level TCTO update program; TCTO program as effort to update older aircraft to level of new aircraft being produced; FY 1979 Depot Eagle Study; F-15 contingency maintenance support plan; F-15 organic repair capability; McDonnell-Douglas Corporation; effect of small contractors' labor problems on engine maintenance

Interviewer: Dr. Richard W. Iobst

Date of Interview: 29 February 1980

Interview Medium: Transcript - Paper

Pages: 21

Finding Aids: AFHRA 1241

Location: AFHRA

Colladay, Lt. Gen. Martin G.

Air Force Air Force - Strategic Air Command

Subject: **Research and Development - Air Force**

Contents: Strategic Air Command in the 1950s; early ICBM development.

Biography: Deputy Chief of Staff for Personnel, HQ USAF, Washington DC; Vice Commander, 21st Air Force, 1969; Joint Staff, Republic of Korea, 1970; Vice Director, Office of Joint Chief of Staff; Chief of Staff, Strategic Air Command, 1974; NATO Military Committee, 1975

Interviewer: Hugh N. Ahmann
Date of Interview: 18-19 October 1983
Length of Interview: 10:00 hours
Interview Medium: Tape - Audio
Access Information: Pending
Finding Aids: AFHRA 1546
Location: AFHRA

Collbohm, Frank

Air Force RAND

Subject: **Research and Development - Air Force**
Contents: Career information; contracting relationships with USAF and others; relations between RAND and universities and aircraft industry; establishment of SDC; RAND contracts with AEC, CIA, NASA; ANSER; systems analysis

Biography: RAND director (1946)
Interview Coverage: 1930s-1960s
Interviewer: Martin Collins and Joseph Tartarewicz
Date of Interview: 28 July 1987
Length of Interview: 5.25 hours
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 71
Location: NASM

Collbohm, Frank

Defense Industry RAND Corporation

Subject: **Test and Evaluation - Air Force**
Biography: Director, RAND Corporation
Interviewer: Kenneth Leigh, Columbia University Aviation Project
Date of Interview: May 1960
Interview Medium: Transcript - Paper
Access Information: Permission to cite or quote required from Columbia
Pages: 21
Publisher: Columbia University Aviation Project
Finding Aids: AFHRA 146.34-32
Location: AFHRA

Colvard, Dr. James

Navy Naval Surface Weapons Center

Subject: **Research and Development - Navy**
Contents: Discussion of career at NSWC; merger of Naval Proving Ground (Dahlgren) and NOL (White Oak) to form NSWC in 1974; comments about administrative problems at research centers; Navy 'micro-management' of projects; comments about the history and future of NSWC, especially the Combat Systems Integration Dept.

Interview Coverage: 1969-1973
Interviewer: Cynthia Rouse
Date of Interview: 10 December 1976

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 18

Location: DTRC

Colvard, Dr. James

Navy

Space and Naval Warfare Systems Command

Subject: **Research and Development - Navy**

Contents: Transition of Navy R&D, T&E elements from NAVMAT to SPAWAR; 'haul down' report

Biography: Deputy Commander, Naval Material Command

Interview Coverage: 1980s

Interviewer: Dr. Vincent Marchese

Date of Interview: 2 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 33

Location: DTRC

Colvard, Dr. James

Navy

Subject: **Research and Development - Navy**

Contents: Overview of the history of the Mk48 torpedo development program; remarks about Navy approach to R&D

Biography: Technical Director, NOTS

Interview Coverage: 1950s-1960s

Interviewer: Dr. Vincent Marchese

Date of Interview: 3 August 1989

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 22

Location: DTRC

Colvard

Dr. James

Navy

Naval Ordnance Test Station

Subject: **Research and Development - Navy**

Contents: Discussion of career at Applied Physics Lab, NOTS; relations between NOTS and Washington; work on Exploratory Development projects at China Lake; establishment of Office of the Director of Naval Laboratories; comments about in-house Navy laboratory system, civil-military relations in the Navy R&D system

Biography: Technical Director, NOTS

Interview Coverage: 1950s

Interviewer: Dr. Vincent Ponko, Jr.

Date of Interview: 3 December 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 40

Location: DTRC

Condon, MG John P.

Marine Corps Weapons Systems Evaluation Group

Subject: Test and Evaluation - Marine Corps

Contents: pp. 103-111 deal with Condon's service as the Marine Corps representative on the Weapons Systems Evaluation Group

Biography: Assigned to OSD Weapons Systems Evaluation Group, Washington, D.C., July 1950 - April 1952

Interview Coverage: 1941-1962

Interviewer: MAJ Thomas E. Donnelly, USMC

Date of Interview: 3, 8, 9 December 1970

Place of Interview: Newport Beach, CA

Interview Medium: Transcript - Paper

Pages: 177

Conver, Steven K.

Army Army - Assistant Secretary for RD&A

Subject: Research and Development - Army

Contents: Qualifications for position; management approach; R&D budgets; role of Congress; relations with industry; problems of 1990s drawdown

Biography: Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington, D.C.

Interviewer: Dwight Oland

Date of Interview: 13 April 1993

Place of Interview: Bethesda, MD

Interview Medium: Transcript - Paper

Conver, Steven K.

Army Army - Assistant Secretary for RD&A

Subject: Research and Development - Army

Contents: Relations with Army Staff; organization for acquisition; Goldwater-Nichols Act; Army Acquisition Corps; role of Congress; reserve components and their role; industrial base

Biography: Assistant Secretary of the Army for Research, Development and Acquisition

Interviewer: Dwight Oland

Date of Interview: 9 June 1993

Interview Medium: Transcript - Paper

Cook, Gen. Orval R.

Air Force Air Force - Air Research and Development

Subject: Research and Development - Air Force

Contents: World War II fighter aircraft development; Air Service Command; procurement during World War II

Interview Coverage: 1945

Interviewer: Dr. Murray Green, Office of Air Force History

Date of Interview: 16 February 1970

Interview Medium: Transcript - Paper

Pages: 50

Finding Aids: AFHRA 836

Location: AFHRA

Cook, Gen. Orval R.

Air Force Air Force - Air Research and Development

Subject: **Research and Development - Air Force**

Contents: Jet engine development; Air Materiel Command organization following World War II; Gen. Oliver P. Echols; establishment of USAF; GEN Douglas MacArthur; B-36 aircraft; B-52 aircraft; 1950s contracting methods; B-47; formation of Air Research and Development Command; formation of RAND Corporation; early missile development

Interview Coverage: 1945-1956

Interviewer: Maj. Richard H. Emmons, USAF, and Hugh N. Ahmann, USAF

Date of Interview: June 1974; August 1974

Interview Medium: Transcript - Paper

Pages: 357

Finding Aids: AFHRA 740

Location: AFHRA

Coolidge, Charles A.

OSD OSD - Secretary of Defense

Subject: **Secretary - OSD**

Biography: Special Assistant to the Secretary of Defense, 1955-1958; Director, Joint State Department-Defense Department Disarmament Study, 1959

Interview Coverage: 1950s

Date of Interview: 1967

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 36

Finding Aids: OH 38

Location: Eisenhower Library

Cooper, Maj. Gen. Paul T.

Air Force Air Force - Space and Missile Systems

Subject: **Test and Evaluation - Air Force**

Contents: Engineering Division at Wright Field; Bendix Aviation Company; restructuring of Pacific Missile Range; impressions of McNamara and Gen. Yates; support for test activity; Industrial College of the Armed Forces; characteristics of national missile ranges; DOD-NASA Astronautics and Aeronautics Coordinating Board; Space Flight Ground Environment Panel; value of space program; Shuttle program; Space Reentry program; Space Systems Survivability program; high-energy lasers; roles and missions conflict; fiscal year funding; Ernest Fitzgerald whistleblowing

Biography: Vice Commander, Space Systems Division, SAMSO; Director of Laboratories

Interviewer: Dr. James C. Hasdorff

Date of Interview: 22 August 1985
Interview Medium: Transcript - Paper
Pages: 88
Finding Aids: AFHRA 1670
Location: AFHRA

Corns, Johnnie H.

Army

Subject: **Research and Development**

Contents: Development of night observation, surveillance, and target acquisition systems

Interview Coverage: 1936-1998

Interview Medium: Transcript - Paper

Access Information: Retained by MHI; oral history included with paper

Location: MHI

Cosby, J.T. "Bing"

Defense Industry General Dynamics - Convair Division

Subject: **Research and Development - Air Force**

Contents: B-36 research and development; procurement; nuclear propulsion; prototyping; cost growth of F-111 Mark II avionics; commonality; F-111 research, development, procurement and production; F-111 losses and probable cause; government supervision of military contracts; hiring of ex-military officers by government contractors; development of F-16 aircraft; lessons learned by Convair with F-111 aircraft

Biography: Program manager, B-58 aircraft program, Convair Division, General Dynamics

Interview Coverage: 1945-1973

Interviewer: Lt. Col. Robert G. Zimmerman, USAF

Date of Interview: 3-4 December 1973

Interview Medium: Transcript - Paper

Pages: 136

Finding Aids: AFHRA 693

Location: AFHRA

Cotton, A.H.

Air Force Air Force - Warner Robins AMA, GA

Subject: **Logistics - Air Force**

Contents: Contracting; distribution; supply; management; interviewed in connection with monograph on trend toward centralization of logistics functions within U.S. military since World War II; transfer to supply division at Warner Robins Air Materiel Area, GA; origins of centralization; Defense Supply Agency; Defense Logistics Agency; single managers; Congress; Government Accounting Office

Biography: Deputy Director, Directorate of Materiel Management, Warner Robins Air Materiel Area, GA

Interviewer: Dr. Charles J. Gross

Date of Interview: 25 March 1981
Interview Medium: Transcript - Paper
Pages: 43
Finding Aids: AFHRA 1302
Location: AFHRA

Cozzens, Ernest G.

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Involvement with Sidewinder missile program; comments about recent developments in air-to-air weaponry; NWC's relationship with other labs; effects of naval hierarchy in Washington on lab activities

Biography: Staff, NOTS/NWC

Interview Coverage: 1950s-1970s

Interviewer: Leroy L. Doig, III

Date of Interview: 25 June 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 47

Location: NWC, DTRC, NHC

Craigie, Gen. Laurence C.

Air Force **Air Force - Air Staff**

Subject: **Test and Evaluation - Air Force**

Contents: Research and development; XA-59; early missile efforts; Cook-Craigie Plan

Biography: Deputy Chief of Staff of Air Force for Research and Development, 1950

Interviewer: Kenneth Leish, Columbia University Aviation Project

Date of Interview: May 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 53

Publisher: Columbia University Aviation Project

Finding Aids: AFHRA 146.34-33

Location: AFHRA

Craigie, Lt. Gen. Laurence C.

Air Force **Air Force - Air Staff**

Subject: **Test and Evaluation - Air Force**

Contents: Associations with National Advisory Committee on Aeronautics; establishment of Arnold Engineering Development Center; experience as first American military to fly jet (XP-59) in 1942; fly-before-buy concept; guided missile program in World War II; civilians working on military systems; military industry should be encouraged and not suspect

Biography: Deputy Chief of Staff of Air Force for Research and Development, 1950

Interview Coverage: 1945-1971

Interviewer: Maj. Paul Clark, USAF, and Capt. Donald Baucom, USAF,

Date of Interview: 24 September 1971

Interview Medium: Transcript - Paper

Pages: 81

Finding Aids: AFHRA 637

Location: AFHRA

Craigie, Lt. Gen. Laurence C.

Air Force Air Force - Air Staff

Subject: Test and Evaluation - Air Force

Contents: USAF research and development following World War II; Far East Air Forces, 1950

Biography: Deputy Chief of Staff of Air Force for Research and Development, 1950

Interview Coverage: 1945-1955

Interviewer: Hugh N. Ahmann

Date of Interview: 6 December 1973

Interview Medium: Transcript - Paper

Pages: 180

Finding Aids: AFHRA 695

Location: AFHRA

Crawford, Jack A.

Navy Naval Ordnance Test Station

Subject: Program Management - Navy

Contents: Discussion of role in development of Walleye, Condor, and rolling airframe missile (RAM) programs; NOTSNIK and ASROC project contributions; comparison of the management of the Walleye and Condor programs (he was program manager of both); role of contractors in research

Biography: Program Manager, NOTS (Walleye and Condor missile programs)

Interview Coverage: 1950s-1960s

Interviewer: Elizabeth Babcock

Date of Interview: 20 September 1988

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 59

Location: NWC

Crawford, Maj. Gen. Alden R.

Air Force Air Force - 12th Air Force

Subject: Logistics - Air Force

Contents: Air Staff for Supply and Materiel, Germany.

Biography: Commanding General, 12th Air Force

Interview Coverage: 1945-1953

Interviewer: Gen. George W. Goddard, USAF

Date of Interview: 6 June 1967

Interview Medium: Transcript - Paper

Pages: 6

Finding Aids: AFHRA 995

Location: AFHRA

Crossfield, Scott

NACA **National Advisory Committee on Aeronautics**

Subject: **Test and Evaluation - Air Force**

Contents: Experiences as test pilot of National Advisory Committee on Aeronautics; testing of Skyrocket, F-86, X-1, X-15 and other aircraft

Biography: NACA test pilot

Interviewer: Kenneth Leish, Columbia University Aviation Project

Date of Interview: May 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 30

Finding Aids: AFHRA 146.34-34

Location: AFHRA

Cummins, Dr. William E.

Navy **David Taylor Research Center**

Subject: **Research and Development - Navy**

Contents: Remarks about working at Experimental Model Basin, David Taylor Model Basin; mention of GUPPY program; submarine hull design; testing procedures and seaworthiness studies; Polaris program; remarks about lab re-organizations in the 1960s

Biography: Staff, Experimental Model Basin; Staff, David Taylor Research Center (DTRC)

Interview Coverage: 1940s-1960s

Interviewer: Dr. David K. Allison

Date of Interview: 2 August 1982

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 92

Location: DTRC

Cuviello, MG Peter M.

Army **Army - Signal Command**

Subject: **Communications - Army**

Contents: Exit interview.

Biography: Chief of Signal

Date of Interview: July 2000

Interview Medium: Tape - Video

Location: USASC-FG

Danielson, COL Jesse M.

Army **Army - Aviation and Missile Command**

Subject: **Aviation - Army**

Contents: Aviation combat development - including System Program Review; Aviation Restructure Initiative (ARI); Risk Management (RM)

Biography: Staff, Directorate of Combat Developments (DCD)

Interview Coverage:

Interviewer: Dr. James W. Williams

Date of Interview: 26 August 1999

Length of Interview: 45 min. tape+notes

Interview Medium: Tape - Audio

Access Information: Open; filed alpha in file cabinet, 870-5.4000 series

Location: AABHO

Dapper, James

Navy **David Taylor Research Center**

Subject: **Research and Development - Navy**

Contents: Remarks about WWII-era submarines; designing the BARBEL, a diesel submarine with an Albacore-type hull; comments about the Regulus missile and Polaris submarine programs; X-1 submarine project

Interview Coverage: 1940s-1960s

Interviewer: David K. Allison

Date of Interview: 12 January 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 18

Location: DTRC

David, Dr. Charles M.

Navy **Naval Research Laboratory**

Subject: **Research and Development - Navy**

Contents: Work on fiber optic systems; relations with DARPA; basic research funding problems

Interviewer: Dr. David K. Allison

Date of Interview: 1 July 1982

Interview Medium: Transcript - Paper

Access Information: Open - transcript incomplete

Pages: 28

Location: NRL

Davidson, Harold E.

Air Force **Air Force - Logistics Command**

Subject: **Logistics - Air Force**

Contents: Status of program management responsibility transfer for F-15 aircraft; status of avionics intermediate shops for F-15

Interview Coverage: 1980

Interviewer: Dr. Richard W. Iobst

Date of Interview: 2 October 1980

Interview Medium: Transcript - Paper

Pages: 7

Finding Aids: AFHRA 1259

Location: AFHRA

Davies, Merton

Air Force RAND

Subject: Research and Development - Air Force

Contents: Career information; work on satellite, reconnaissance; aerospace industry studies; Air Force activities; D-558 aircraft project; procurement

Biography: RAND mathematician

Interview Coverage: 1930s-1960s

Interviewer: Joseph Tartarewicz

Date of Interview: 28 July 1985

Length of Interview: 3.5 hours

Interview Medium: Transcript - Paper

Access Information: use restrictions not established

Pages: 39

Location: NASM

Davis, Dale M.

Air Force

Subject: Research and Development - Air Force

Contents: F-15 aircraft development program; debate over value of guns versus missiles on aircraft; study of optimum gun characteristics for close air support role; Air Force "anti-gun" attitude between 1956-1964; comparison of lethality of F-15 GAU-7 gun and A-10 GAU-8 gun; denied problems with 30mm gun for A-X aircraft

Interview Coverage: 1956-1967

Interviewer: Jacob Neufeld and Maj. Ralph A. Rowley, USAF, Office of Air

Date of Interview: 22 May 1973

Interview Medium: Transcript - Paper

Pages: 23

Finding Aids: AFHRA 963

Location: AFHRA

Davis, James N.

OSD

Subject: Defense Acquisitions Policy

Biography: DASD (Weapons Systems and Industrial Readiness)

Interview Coverage: 1940s-1960s

Interviewer: Elliott V. Converse, III; Walter S. Poole

Date of Interview: 29 June 2001

Interview Medium: Transcript - Paper

Access Information: Pending

Location: DAHP

Davis, Lt. Gen. Leighton I.

Air Force

Subject: Test and Evaluation - Air Force

Contents: Early air-to-air missiles; recruitment of personnel for research and development following World War II; German scientists working in United States; development of computer war game; creation of Air

Research and Development Command; influence of industry with Department of Defense in 1950s; phase-down of Holloman AFB, NM as missile test center; inertial navigation systems; nonprofit corporations; creation of Air Force Systems Command; Advanced Research Projects Agency; USAF satellite tracking system; NASA Eastern Test Range; R&D methods; contracting; comments on Secretary of Defense Robert S. McNamara

Interview Coverage: 1945-1965

Interviewer: Maj. Lyn R. Officer, USAF, and Hugh N. Ahmann, USAF Oral

Date of Interview: 26 April 1973

Interview Medium: Transcript - Paper

Pages: 119

Finding Aids: AFHRA 668

Location: AFHRA

Davis, Lt. Gen. W. Austin

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Creation of Air Force Systems Command (AFSC) from Air Research and Development Command and Air Materiel Command; AFSC budgeting; approval of system research and development; experimental tactical fighter aircraft (TFX) research and development; C-5A research and development; R&D decision making in Department of Defense; lack of conventional weapons development after Korean War; AFSC and Director of Defense for Research and Engineering; Office of System Analysis; Skybolt program; competition between Services over development and acquisition of weapon systems; USAF/NASA space efforts; missile development of 1950s; missile gap of 1960s; weapon system cost studies; F-15; U.S. Army helicopters; other fighter aircraft; nonprofit corporations; private institutional research for USAF; impressions of Gen. Bernard A. Schriever, Gen. James Ferguson and Dr. Harold Brown; post-World War II procurement methods

Biography: Vice Commander, Air Force Systems Command

Interview Coverage: 1950-1967

Interviewer: Maj. Lyn R. Officer, USAF, and Hugh N. Ahmann, USAF Oral

Date of Interview: 23-24 April 1973

Interview Medium: Transcript - Paper

Pages: 243

Finding Aids: AFHRA 669

Location: AFHRA

Davitt, Lt. Col. Stephen J.

Air Force Air Force - 3d Air Division

Subject: Logistics - Air Force

Contents: Logistical support for Strategic Air Command operations in Southeast Asia from Kadena AB, Okinawa, Anderson AFB, Guam and U Tapao Royal Thai AFB, Thailand; munitions resupply

Biography: Chief of Logistics, 3d Air Division

Interview Coverage: 1965-1967
Interviewer: Robert M. Kipp
Date of Interview: 8 August 1968
Length of Interview: 0:44 hour
Interview Medium: Tape - Audio
Access Information: CONFIDENTIAL
Publisher: Corona Harvest
Finding Aids: AFHRA 185
Location: AFHRA

Dawson, Victor

Navy **Naval Ordnance Lab - White Oak**
Subject: **Research and Development - Navy**
Contents: History of Mk48 torpedo; work on torpedo at the Naval Ordnance Laboratory; development of cone filter acquisition system at NOL; transfer of technical direction of the Mk 48 program to the Naval Underwater Systems Center
Biography: Head, Underwater Development at the Naval Surface Warfare Center

Interview Coverage: 1960s-1970s
Interviewer: Dr. Joseph Marchese
Date of Interview: 9 August 1989
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 9
Location: DTRC

Deane, GEN John R.

Army **Army - Materiel Command**
Subject: **Research and Development - Army**
Contents: AMC command management; AMARC; research and development; M1 tank development
Interviewer: Marken Birdsell
Date of Interview: March 1985
Interview Medium: Transcript - Paper
Access Information: Incomplete file - requires completion of interviewee's edit
Pages: 107
Location: USAMC

Demler, Maj. Gen. Marvin C.

Air Force **Air Force - Air Research and Development**
Subject: **Research and Development - Air Force**
Biography: Vice Commander, Wright Air Development Center, Wright-Patterson AFB, OH, 1949-1954; Assistant Deputy/Deputy Commander for Research and Development, HQ Air Research and Development Command, Baltimore, MD and Andrews AFB, MD; Commander, Chanute Technical Training Center, Chanute AFB, IL; Special Assistant to Joint Chiefs of Staff for Arms Control, 1969-1971

Interviewer: Hugh N. Ahmann
Date of Interview: February 1984; March 1988
Length of Interview: 20:00 hours
Interview Medium: Tape - Audio
Access Information: Pending
Finding Aids: AFHRA 1851
Location: AFHRA

Desanto, James D.

Navy **National Defense Research Committee**
Subject: **Research and Development - Navy**
Contents: Joint interview with Robert Appleton
Biography: Researcher, NDRC
Interview Coverage: 1940s-1950s
Interviewer: Albert B. Christman
Date of Interview: 15 April 1969
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 31
Location: DTRC

Dickerson, CAPT Kenneth A.

Navy **Naval Weapons Center (China Lake)**
Subject: **Program Management - Navy**
Contents: Discussion of tour at China Lake; military-civil relations at lab; problem programs, including HARM low-cost seeker, ACIMD, Bigeye; politics of military RDT&E; 'firing of Burrell Hays at Paisley's hands
Biography: Program officer, Naval Weapons Center
Interviewer: Leroy L. Doig
Date of Interview: 13 June 1986; 20 June 1986
Interview Medium: Transcript - Paper
Access Information: access limited
Pages: 43
Location: NWC

Disosway, Gen. Gabriel P.

Air Force **Air Force - Tactical Air Command**
Subject: **Research and Development - Air Force**
Contents: Maj. Gen. Kenneth P. McNaughton's confrontation with President Lyndon B. Johnson; maintenance problems at Flying Training Air Force; Gen. George Kenney; Gen. "Hank" Everest; Gen. "Freddy" Smith; reorganization of United States Air Forces in Europe; Secretary of the Air Force Zuckert; Gen. Lauris Norstad; relationship with Gen. Curtis LeMay; Gen. "Cam" Sweeney; Disosway report; Howze Board; Army-Air Force controversy over close air support; Gen. "Spike" Momyer; responsibilities of Weapon System Evaluation Group; Secretary of Defense Robert S. McNamara and senior officers; Joint Chiefs and McNamara;

Secretary of the Air Force Thomas S. Reed; Gen. John McConnell; Gen. John Ryan; USAFE relationship with other Air Force commands; Tactical Air Command (TAC); nuclear versus conventional weapons; F-111; A-7; involvement in A-7B program; B-1 cancellation; Gen. Ennis Whitehead; fighting for money

Biography: Assistant Commandant, Barksdale Field, LA; Chief of Training Division, HQ USAF, Washington DC; Director of Training, HQ USAF; Commanding General, Air Force Training Command's Flying Training Air Force, 1952; Commander, 12th Air Force, USAFE; Deputy Commander, 17th Air Force; Deputy Chief of Staff for Operations, HQ USAF

Interview Coverage: 1945-1977

Interviewer: Lt. Col. John N. Dick, Jr., USAF

Date of Interview: 4-7 October 1977

Interview Medium: Transcript - Paper

Pages: 382

Finding Aids: AFHRA 974

Location: AFHRA

Dixon, Gen. Robert J.

Air Force Air Force - Seventh Air Force

Subject: **Research and Development - Air Force**

Contents: Conventional military capability versus nuclear capability; Secretary of Defense Robert S. McNamara; rivalry between Army and Air Force over control of NSC service contract; Military Airlift Command support to Tactical Air Command; evaluation of A-7/A-10 flyoff in 1974; foreign military sales; procurement of F-16s; B-1; Airborne Warning and Control System (AWACS)

Biography: Assistant Director of Plans, NSC-OCB; Assistant for NSC Affairs; Commander, AFMPC; Vice Commander/Commander, Seventh Air Force, Republic of Vietnam

Interviewer: Capt. Mark C. Cleary, USAF

Date of Interview: 18-19 July 1984

Interview Medium: Transcript - Paper

Pages: 329

Finding Aids: AFHRA 1591

Location: AFHRA

Dixon, Kyle

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Pacer Web program (specialized repair program with McDonnell Douglas Corporation for F-15 components); integration of spares acquisition with production; basic ordering agreement for F-15 aircraft repair; coverage of basic ordering agreement for crash and battle damage to F-15 aircraft; contracts with Hughes Aircraft Corporation, producer of F-15 radar; parts of F-15 manufactured by foreign sources; purchase of spare parts for foreign countries; tactical electronic warfare support; prefabricated, air-transportable buildings to house F-15 aircraft; use of priority methods of letter

contracting due to F-15's vital role in defense posture; spare parts shortages for F-15 in FY 1979; secondary priority of spares compared to systems; accomplishment of savings through efficient contracting methods

Interview Coverage: 1980

Interviewer: Dr. Richard W. Iobst

Date of Interview: 26 February 1980

Interview Medium: Transcript - Paper

Pages: 33

Finding Aids: AFHRA 1239

Location: AFHRA

Dixon, Lt. Gen. Robert J.

Air Force Air Force - Seventh Air Force

Subject: Research and Development - Air Force

Contents: Research and development of munitions used in Southeast Asia.

Biography: Assistant Director of Plans, NSC-OCB; Assistant for NSC Affairs; Commander, AFMPC; Vice Commander/Commander, Seventh Air Force, Republic of Vietnam

Interview Coverage: 1969-1970

Interviewer: Col. John J. Rosenow, USAF, and Maj. Richard B. Clement,

Date of Interview: 1-2 December 1970

Interview Medium: Transcript - Paper

Access Information: TOP SECRET/NOFORN

Pages: 53

Publisher: Corona Harvest

Finding Aids: AFHRA 385

Location: AFHRA

Doak, Robert

Navy Space and Naval Warfare Systems Command

Subject: Acquisition - Navy

Contents: Discussion of establishment of SPAWAR; problems with acquisition in NAVELEX; transformation of SPAWAR from matrix to vertical organization; relationship between SPAWAR and Navy systems commands; transfer of 51 programs from SPAWAR to Naval Air Systems Command (NAVAIR); evaluation of management of WSA&E and R&D centers within SPAWAR

Biography: Deputy Commander, SPAWAR

Interview Coverage: 1960s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 17 April 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: DTRC

Dolvin, LTG Welborn G.

Army Army - Tank-Automotive Command

Subject: Program Management - Army

Contents: Experience as first PM for U.S./FRG MBT-70 project; U.S./FRG problems in development.

Biography: Program Manager, U.S./FRG MBT-70 program

Interview Coverage: 1963-1966

Interviewer: Mihalak

Date of Interview: November 1986

Interview Medium: Transcript - Paper

Access Information: File open to all

Pages: 27

Location: USAMC

Donley, Col. George R.

Air Force Air Force - Systems Command

Subject: **Logistics - Air Force**

Contents: Assignments in air materiel duties; weapon system modifications; development of air medical evacuation capabilities

Interview Coverage: 1945-1956

Interviewer: Roger D. Launius, Air Force Systems Command History Office

Date of Interview: 24 March 1987

Interview Medium: Transcript - Paper

Pages: 40

Finding Aids: AFHRA 1787

Location: AFHRA

Donnelly, Lt. Gen. Harold C.

Air Force Defense Atomic Support Agency

Subject: **Test and Evaluation - Air Force**

Contents: Maj. Gen. Alvin R. Luedecke; responsibility for nuclear tests in Nevada desert; struggle over strategic missile mission; formation of National Aeronautics and Space Administration (NASA); tests of nuclear weapons effects; Thor missile firings from Johnston Island; underground tests in Nevada; U.S. test at Amchitka, Alaska, to test acoustic worldwide detection system; Dyna-Soar program; creation of "clean" nuclear weapons; Atomic Energy Commission

Biography: Established Special Weapons Command; Chief of Staff, Armed Forces Special Weapons Project; Plans Officer, Supreme Headquarters Allied Powers Europe (SHAPE); Assistant Deputy Chief of Staff for Plans and Programs, HQ USAF, Washington, D.C.; Chairman, U.S. Section, Canada/U.S. Military Coordinating Committee; Commander, Field Command, Defense Atomic Support Agency (DASA); Director, DASA

Interviewer: Dr. James C. Hasdorff

Date of Interview: 22-23 May 1984

Interview Medium: Transcript - Paper

Pages: 194

Finding Aids: AFHRA 1577

Location: AFHRA

Doolittle, GEN James H.

Air Force

Subject: Research and Development - Air Force

Biography: Special Assistant to Air Force Chief of Staff for Scientific and Industrial Matters, 1951

Interviewer: Richard H. Kohn

Interview Medium: Transcript - Paper

Editor: Jacob Neufeld

Title: "Reflections on Research and Development in the United States Air Force"

Publisher: Center for Air Force History

Date of Publication: 1993

Doolittle, Lt. Gen. James H.

Air Force National Advisory Committee on Aeronautics

Subject: Research and Development - Air Force

Contents: Transition in National Advisory Committee on Aeronautics (NACA) from subsonic to supersonic flight; association with Gen. H.H. Arnold; association with Theodore von Karman; relations between USAF and NACA; evolution of Aerospace Corporation; Gen. Bernard A. Schriever and concept of systems engineering; development of ballistic missile

Biography: Chairman, National Advisory Committee on Aeronautics

Interview Coverage: 1945-1969

Interviewer: Dr. Eugene M. Emme and W.D. Putnam

Date of Interview: 21 April 1969

Interview Medium: Transcript - Paper

Pages: 53

Finding Aids: AFHRA 625

Location: AFHRA

Doolittle, Lt. Gen. James H.

Air Force National Advisory Committee on Aeronautics

Subject: Research and Development - Air Force

Contents: National Advisory Committee for Aeronautics; contribution of Air Force Scientific Advisory Board to national security; Dr. Theodore von Karman's book, New Horizons, and its relationship to Air Force technical development; military use of space

Biography: Chairman, National Advisory Committee on Aeronautics

Interview Coverage: 1945-1965

Interviewer: Arthur K. Marmor, Office of Air Force History

Date of Interview: 23 June 1965

Interview Medium: Transcript - Paper

Access Information: For official use only

Pages: 34

Finding Aids: AFHRA 623

Location: AFHRA

Dougherty, Gen. Russell E.

Air Force Air Force - Strategic Air Command

Subject: Research and Development - Air Force

Contents: 20th Air Force, Guam; Farnsworth Case; C-47; B-29; KC-97; Strategic Air Command (SAC); generals Ned Almond, Earle Partridge, George Stratmeyer, Douglas MacArthur and James Doolittle; Gen. Lauris Norstad; Gen. David C. Jones; missile force; interservice rivalry; CORONA HARVEST; B-36; B-1; B-70; effect of Sputnik on USAF; Gen. Thomas Power; SAC and B-58; Gen. John Ryan; Gen. David Burchinal

Biography: Assistant for Contract Matters, Wright-Patterson AFB, OH; Deputy Director for War Plans, HQ USAF, Washington DC; Assistant Deputy Chief of Staff, HQ USAF; Commander, Second Air Force; Commander, Strategic Air Command

Interview Coverage: 1945-1977

Interviewer: Hugh N. Ahmann

Date of Interview: August 1979; November 1979

Length of Interview: 14:30 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1139

Location: AFHRA

Dougherty, Gen. Russell E.

Air Force Air Force - Strategic Air Command

Subject: Research and Development - Air Force

Contents: Conversion from B-47 to B-52 aircraft; KC-97 aircraft; GBU-15 weapons; modifications to B-52 aircraft; B-1 aircraft; FB-111 aircraft; modifications to KC-135 aircraft; improvements to SAC missile force; MX missile

Biography: Assistant for Contract Matters, Wright-Patterson AFB, OH; Deputy Director for War Plans, HQ USAF, Washington DC; Assistant Deputy Chief of Staff, HQ USAF; Commander, Second Air Force; Commander, Strategic Air Command

Interviewer: John T. Bohn, Strategic Air Command History Office

Date of Interview: 13 December 1977

Interview Medium: Transcript - Paper

Access Information: SECRET

Pages: 78

Finding Aids: AFHRA 1801

Location: AFHRA

Dougherty, Gen. Russell E.

Air Force Air Force - Strategic Air Command

Subject: Research and Development - Air Force

Contents: B-1 program.

Biography: Assistant for Contract Matters, Wright-Patterson AFB, OH; Deputy Director for War Plans, HQ USAF, Washington DC; Assistant Deputy Chief of Staff, HQ USAF; Commander, Second

Air Force; Commander, Strategic Air Command
Interviewer: Ike Pappas, Columbia Broadcasting System
Date of Interview: 27 January 1977
Length of Interview: 2:00 hours
Interview Medium: Tape - Audio
Publisher: Donated by Strategic Air Command
Finding Aids: AFHRA 1821
Location: AFHRA

Douglas, James H., Jr.

Air Force **OSD - Deputy Secretary of Defense**

Subject: **Secretary - Air Force**

Biography: Under Secretary, 1953-1957, and Secretary, 1957-1959,
Department of the Air Force; Deputy Secretary of Defense,
1959-1961

Interview Coverage: 1953-1961

Date of Interview: 1972

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 53

Finding Aids: OH 288

Location: Eisenhower Library

Douglas, James H., Jr.

Air Force **Air Force - Under Secretary**

Subject: **Research and Development - Air Force**

Contents: Selection as Under Secretary of Air Force; appropriations after Korean War; interservice rivalry for funds; development of warheads; revisions in budget under Eisenhower; Robert A. Lovett's contributions; budget cuts and protests; Gen. Twining as Chief of Staff; Secretary Talbott's resignation; U-2; 1957 reorganization of Joint Chiefs of Staff; Rockefeller Fund report; President Eisenhower on funding services; ICBM construction; Navajo missile; establishment of Western Development Division; missile gap; reaction to Sputnik; B-70; B-58 problems; development of air transport in Air Force

Biography: Under Secretary of Air Force

Interview Coverage: 1953-1979

Interviewer: Hugh N. Ahmann

Date of Interview: 13-14 June 1979

Interview Medium: Transcript - Paper

Pages: 173

Finding Aids: AFHRA 1126

Location: AFHRA

Douglas, James H., Jr.

Air Force **Air Force - Secretary**

Subject: **Secretary - Air Force**

Biography: Secretary of the Air Force, 1957-1959; Asst. Secretary of the

Treasury, 1932-1933
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 35
Location: Eisenhower Library

Doyle, Morris M.

Defense Industry Stanford Research Institute

Subject: **Defense Industry**

Biography: Director, Stanford Research Institute; President, Stanford University
Board of Trustees

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 14

Location: Hoover Library, Stanford University

Driessnack, Lt. Gen. Hans H.

Air Force Air Force - Air Staff

Subject: **Contract Management - Air Force**

Contents: C-141 aircraft; Air Force Systems Command Office of
Comptroller; Office of Assistant Secretary of Air Force (Financial
Management)

Biography: Project Officer, C-133 aircraft program; Deputy Chief of Staff,
Comptroller, Air Force Systems Command (AFSC); Deputy Chief
of Staff, Procurement and Production, AFSC, 1976; Director of
Budget, Office of Comptroller, HQ USAF, Washington DC, 1976;
Assistant Vice Chief of Staff, HQ USAF, 1981

Interviewer: Hugh N. Ahmann

Date of Interview: 18-19 October 1987

Length of Interview: 13:00 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1769

Location: AFHRA

Dryden, Hugh

Air Force National Defense Research Committee

Subject: **Guided Missiles**

Contents: Guided missiles; fighter development; jets

Biography: Aeronautical engineer; National Defense Research Committee

Interview Coverage: 1945-1960

Interviewer: Kenneth Leish, Columbia University

Date of Interview: February 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Title: (Columbia University Aviation Project)

Pages: 40

Finding Aids: AFHRA 146.34-41

Location: AFHRA

DuBridge, Lee

Defense Industry RAND

Subject: Research and Development - Air Force

Contents: Joint interview with Robert Bacher

Interview Coverage: 1930s-1950s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 21 July 1988

Length of Interview: 2 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 45

Location: NASM

Dunaway, Richard

Air Force Air Force - Automation

Subject: Automation - Air Force

Contents: Early stages of Air Force automation; government sponsors computer development under Project SCOOP (Scientific Computation of Optimum Programs) because civilian industry could not yet support burden; early leaders in Air Force automation were Drs. Dantzig, Edmund Learned, Marshall Wood, Von Neumann; Bureau of Standards acted as contract agency for Air Force in SCOOP; SEAC (Standards Eastern Automatic Computer) developed to serve as interim for UNIVAC; role played by GEN Frederick J. Dau in SCOOP; SWAC (Special Warhead Arming Control) a variant of SEAC; SCOOP suffered from Eisenhower Administration's economy drive; SCOOP terminated in 1954 due to industry capability to handle automation requirements

Biography: Executive Director, Air Force Data Services Center

Interview Coverage: 1973

Interviewer: Cadet James R. Luntzel III, USAF Academy

Date of Interview: 22 June 1973

Interview Medium: Transcript - Paper

Pages: 11

Finding Aids: AFHRA 935

Location: AFHRA

Dunetz, Bryant R.

Army Army - Materiel Command

Subject: Research and Development - Army

Contents: Cooperative R&D, standardization agreements and groups; co-production; interoperability

Interviewer: Darius Coppola

Date of Interview: February 1987

Interview Medium: Transcript - Paper

Access Information: File open to all

Pages: 17

Location: USAMC

Dunlap, Jack

Navy

Subject: Acquisition - Navy

Contents: Discussion of development of the Polaris program (Naval Institute interview)

Biography: Member, Polaris Steering Committee

Interview Coverage: 1960s

Interviewer: unknown

Date of Interview: October 1972

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 32

Location: NHC, NWCM, USNI

Eaker, LTG Ira C.

Air Force U.S. Army Air Forces, 1945-1947

Subject: United States Army Air Forces, 1945-1947

Biography: Deputy Commanding General and Chief of Air Staff, HQ USAAF, 1945-1947; retired, August 1947; Vice President, Hughes Tool Company, 1947-1957; Executive, Douglas Aircraft Company, 1957-1961; Consultant, Hughes Aircraft Company, 1967

Interview Coverage: 1945-1947

Interviewer: Hugh N. Ahmann

Date of Interview: 10-11 February, 14-15 April, 11 November 1975

Interview Medium: Transcript - Paper

Pages: 617

Finding Aids: AFHRA 829

Location: AFHRA

Eckert, LTG W.D.

Air Force Air Force - Tactical Air Command

Subject: Tactical Air Command

Contents: Resources for limited war; personal views on limited war concept; USAF-Army relationship; Tactical Air Command and its future role and mission in Air Force; need for USAF comptroller; cost and budgeting for weapons

Interview Coverage: 1961

Interviewer: Joseph W. Angell, Jr., Dr. Charles H. Hildreth and Arthur K.

Date of Interview: 15 March 1961

Interview Medium: Transcript - Paper

Pages: 10

Finding Aids: AFHRA 770

Location: AFHRA

Ekas, RADM Claude P.

Navy

Subject: Acquisition - Navy

Contents: Harpoon project history; interdepartmental and inter-bureau co-operation between Harpoon Program Managers and technical workers; Coordination problems between SARS, SYSCOM and

CNM; remarks about trends in Navy R&D, cradle-to-grave technical continuity

Interview Coverage: 1960s

Interviewer: CAPT Robert L. Hansen

Date of Interview: 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 42

Location: NHC, DTRC

Elder, MG William E.

Air Force Air Force - Air Armament Test Center

***Subject:* Test and Evaluation - Air Force**

Contents: Discusses Air Force Armament Test Center, Eglin AFB, FL; Armed Forces Staff College

Interview Coverage: 1945-1964

Interviewer: Dr. James Hasdorff

Date of Interview: 13 September 1984

Interview Medium: Transcript - Paper

Pages: 113

Finding Aids: AFHRA 1608

Location: AFHRA

Ellis, GEN Richard H.

Air Force Air Force - Tactical Air Command

***Subject:* Procurement - Air Force**

Contents: B-1, F-15 and F-16 aircraft; USAFE command and control; SAC force structure planning, FB-111, B-1, Stealth, B-52, ALCM, SLBM, Titan; observations on GEN Kenney, GEN MacArthur, GEN Norstad, GEN Brown, Secretary Harold Brown, GEN David C. Jones, GEN Alexander Haig and others

Biography: Recall to active duty, 1950; assignments to Tactical Air Command, Langley AFB, VA, 49th Air Division, Sculthorpe, England and SHAPE, Chief of Staff for Operations, 19th Air Force, Foster AFB, TX; XO to GEN LeMay; Commander, 315th Air Division; Joint Staff and Air Plans; Commander, 9th Air Force; Vice CINCUSAFE; Commander, 6th Allied Tactical Air Forces; Vice Chief of Staff of Air Force; CINCSAC

Interview Coverage: 1945-1987

Interviewer: LTC Maurice Maryanow, USAF

Date of Interview: 17-21 August 1987

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 279

Finding Aids: AFHRA 1764

Location: AFHRA

Emrick, LTG Paul S.

Air Force Air Force - Air Research and Development

Subject: Research and Development - Air Force

Contents: Development of B-52 Stratofortress; formation of Project RAND.

Biography: Assistant to Deputy Chief of Air Staff for Research and Development, HQ AAF, 1945; Staff Planning Officer, London, 1950; Senior Military Member, Plans and Policy Staff of U.S. Special Representative in Europe, Paris, France, June 1952; Inspector General, Strategic Air Command, January 1958; Chief of Staff, Pacific Command, May 1965

Interview Coverage: 1945-1965

Interviewer: Hugh N. Ahmann

Date of Interview: March 1985

Length of Interview: 3:30 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1637

Location: AFHRA

Estes, GEN Howell M., Jr.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Developments in nuclear capability; air refueling; research and development; Operation CASTLE; direction of weapon system operations at Wright-Patterson AFB, OH; reorganization of Air Force Systems Command under GEN Bernard A. Schriever; F-111 and C-5A development; satellite and missile development

Interview Coverage: 1945-1973

Interviewer: LTC Lyn R. Officer, USAF, and LTC Robert G. Zimmerman,

Date of Interview: 17-20 August 1973

Interview Medium: Transcript - Paper

Pages: 345

Finding Aids: AFHRA 686

Location: AFHRA

Etheridge, CAPT Melvin R.

Navy Naval Weapons Center (China Lake)

Subject: Research and Development - Navy

Contents: Discussion of the creation of the NWC in August 1967; contributions of NWC to fleet in Vietnam; basic research and importance of discretionary funding in R&D; center relations with headquarters

Biography: Commander, Naval Weapons Center

Interview Coverage: 1960s-1970s

Interviewer: Leroy L. Doig, III

Date of Interview: 23 September 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 28

Location: NWC

Evans, GEN William J.

Air Force Air Force - Research and Development Command

Subject: Research and Development - Air Force

Biography: Assigned to Air Research and Development Command, 1951-52; Assistant Deputy Director of Concepts and Operational Readiness, Defense Communications Planning Group, Washington DC, June 1968; Special Assistant for Sensor Exploitation and other R&D positions; Commander, Air Force Systems Command, August 1975; AAFCE and USAFE Commander, July 1977

Interview Coverage: 1946-1978

Interviewer: Dr. James C. Hasdorff

Date of Interview: 18-19 September 1979

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 209

Finding Aids: AFHRA 1144

Location: AFHRA

Everest, GEN Frank F.

Air Force

Subject: Procurement - Air Force

Contents: AGM-65 missile development; tactical weapon development; cruise missile criticisms; B-1 aircraft cancellation; atomic weapons development; Black Knight aircraft development; U-2 aircraft flight support; mobile medium-range ballistic missile; F-4 aircraft acquisition; F-100 aircraft problems; F-86 aircraft in Korean conflict

Interview Coverage: 1945-1961

Interviewer: LTC John N. Dick, Jr.

Date of Interview: 23-25 August 1977

Interview Medium: Transcript - Paper

Pages: 368

Finding Aids: AFHRA 957

Location: AFHRA

Ezell, Morris E.

Air Force Air Force - Logistics Command

Subject: Test and Evaluation - Air Force

Contents: F-102 and F-106 aircraft; Air Force Logistics Command; Air Force Logistics Command goals and missions during Vietnam conflict; techniques of working with civilian weapon systems contractors; duties and missions of Warner Robins Air Logistics Center; philosophy of management developed during career

Biography: Deputy Chief of Service Engineering, San Diego, CA, November 1957; Chief Logistics Officer, XB-70 aircraft program; Chief, production management branches and foreign sales of F-5, F-15 and F-16 aircraft; Chief, Technical Services Branch, San Antonio Air Logistics Center, TX, dealing with automatic test equipment for

F-111 aircraft; part of maintenance staff at headquarters,
Wright-Patterson AFB, OH; Assistant to Commander of Air Force
Acquisition Logistics Division; Deputy Director of Material
Management in June 1980; retired 1 January 1984

Interview Coverage: 1948-1984

Interviewer: Dr. R.W. Iobst

Date of Interview: 21 December 1983

Interview Medium: Transcript - Paper

Pages: 28

Finding Aids: AFHRA 1615

Location: AFHRA

Fairall, COL James P., Jr.

Army Army - Operations Support Command

Subject: **Logistics - Army**

Contents: Discussion of historical role of Chief of Staff at command
headquarters; management of HQ, IOC staff; streamlining trend;
arsenals and depots

Biography: Chief of Staff, U.S. Army Industrial Operations Command

Interview Coverage: 1997

Interviewer: Thomas J. Slattery

Date of Interview: 6 March 1997

Interview Medium: Transcript - Paper

Access Information: Open - printed and distributed

Pages: 16

Location: USAOSC

Farinha, Claude J.

Air Force Air Force - Logistics Command

Subject: **Test and Evaluation - Air Force**

Contents: Efforts to reduce sales price for aircraft; Depot Maintenance
Industrial Fund (DMIF) sales rates; technology repair center
concept, which promoted specialization of function at air logistics
centers and enabled them to compete more effectively with private
industry; integer of logistics program; F/FB-111 aircraft avionics
modernization program; advanced tactical fighter acquisition;
Turkish (Remo II) and Spanish (Peace Sigma) programs;
computerization

Biography: Administrative Officer, Plans and Programs Division, Directorate of
Maintenance, Sacramento Air Logistics Center, August 1956;
Chief, Industrial Engineering Division, May 1959; M.A., Industrial
Management, MIT, 1960; Deputy Chief, Space Vehicles Inventory
Management Division, Directorate of Materiel Management, August
1961; Chief, Shops Division, 1963; Deputy Chief of Maintenance,
1968; Assistant Deputy Chief of Staff for Maintenance, HQ Air
Force Logistics Command, Wright-Patterson AFB, OH, October
1971; Deputy Director, Materiel Management, Sacramento Air
Logistics Center, July 1975

Interview Coverage: 1952-1986

Interviewer: Craig W. Luther, Sacramento Air Logistics Center History Office

Date of Interview: July 1986

Interview Medium: Transcript - Paper

Pages: 164

Finding Aids: AFHRA 1743

Location: AFHRA

Farley, Frank

Navy **Naval Ordnance Lab - White Oak**

Subject: **Research and Development - Navy**

Contents: Discussion of history of Mk48 torpedo program; role of Naval Surface Warfare Center in torpedo development; description of Westinghouse-Clevite "shootout" at Cape Canaveral

Biography: Staff, NOL

Interview Coverage: 1960s

Interviewer: Dr. Joseph Marchese

Date of Interview: 24 July 1989

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Faulkner, James

Air Force **Air Force - Logistics Command**

Subject: **Program Management - Air Force**

Contents: Effects of company strikes among F-15 vendors; provision of spare-parts kits; transfer of F-15 program management responsibility; poor cost effectiveness of F-15 Avionic Intermediate Program

Interview Coverage: 1980

Interviewer: Dr. Richard W. Iobst

Date of Interview: 21 February 1980

Interview Medium: Transcript - Paper

Pages: 14

Finding Aids: AFHRA 1240

Location: AFHRA

Ferguson, GEN James

Air Force **Air Force - Systems Command**

Subject: **Research and Development - Air Force**

Contents: Reorganization of Air Research and Development Command into AFSC; objections to reorganization; qualifications of AFSC Commander; 1958 DOD reorganization; missile research and development; Atlas, Titan and Minuteman funding; solid-fuel missiles; air-breathing missiles; short-range attack missile; Skybolt cancellation; Hound Dog; duplication of effort; role of Director of Defense Research and Engineering; need for air-superiority fighter, simple and cheap aircraft and short takeoff and landing aircraft; Soviet edge in air superiority; AWACS development.

Biography: Former Commander, Air Force Systems Command (AFSC)

Interview Coverage: 1945-1970

Interviewer: MAJ Lyn R. Officer and Dr. James C. Hasdorff, USAF Oral

Date of Interview: 8-9 May 1973

Interview Medium: Transcript - Paper

Pages: 134

Finding Aids: AFHRA 672

Location: AFHRA

Ferguson, Mary

Navy **Navy - Office of Naval Research**

Subject: **Procurement - Navy**

Contents: Taped discussion of a report on Navy financial management of R&D by Booz-Allen & Hamilton; discussion of the effects of the National Security Acts of 1947 and 1949 on the R&D budget process; relationships between the Comptroller of the Office of Naval Research and the Department of Defense; how funding changes created the program planning process

Biography: Comptroller of the Office of Naval Research

Interview Coverage: 1940s-1960s

Interviewer: Susan Frutkin

Date of Interview: 5 July 1974

Interview Medium: Tape - Audio

Access Information: Open

Location: NHC, DTRC

Ferguson, Mary

Navy **Navy - Office of Naval Research**

Subject: **Procurement - Navy**

Contents: Interview funded by Schlesinger Library, part of "Women in the Federal Government" project; role as Comptroller of ONR; work as Special Assistant for financial management to the Assistant Secretary of the Navy for R&D; experiences as a witness in the presentation of annual Navy RDT&E budget proposals submitted to Congress

Biography: Comptroller of the Office of Naval Research

Interview Coverage: 1940s-1970s

Interviewer: unknown

Date of Interview: 19 February 1983; 5 March 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 112

Location: RAD

Finletter, Thomas

Air Force **Air Force - Secretary**

Subject: **Secretary - Air Force**

Biography: Secretary of the Air Force, 1950-1953

Interview Medium: Transcript - Paper

Access Information: Open

Location: Truman Library

Finletter, Thomas K.

Air Force Air Force - Secretary

Subject: **Defense Industry**

Contents: President's Air Policy Commission, 1947; value of keeping extant aircraft industry

Interview Coverage: 1950-1953

Interviewer: COL Marvin M. Stanley

Date of Interview: February 1967

Interview Medium: Transcript - Paper

Pages: 45

Finding Aids: AFHRA 760

Location: AFHRA

Fisette, Michael

Army Army - Materiel Command

Subject: **Research and Development - Army**

Biography: Principal Deputy, Technology

Date of Interview: 9 February 1998

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

Fish, LTG Howard M.

Air Force

Subject: **Procurement - Air Force**

Contents: Air Force purchase of insufficient number of F-111 and C-5 aircraft; F-111 versus A-7 aircraft; brief for Harold Brown on whether to purchase F-5 or A-7 aircraft; escalation factors for B-1 bomber; cost comparison of B-52G and B-52H versus B-1; foreign military sales (FMS) and slow congressional approval; FMS and national interest; grant aid versus FMS; disadvantage of "buy-American-only" policy

Interview Coverage: 1945-1982

Interviewer: CPT Mark C. Cleary, USAF

Date of Interview: 3-5 February 1982

Interview Medium: Transcript - Paper

Pages: 237

Finding Aids: AFHRA 1304

Location: AFHRA

Fitzgerald, MG William A., Jr.

Army Army - Security and Assistance Command

Subject: **Logistics - Army**

Biography: Chief, Office of Military Cooperation, Cairo, Egypt, July 1989 - June 1992; Commanding General, U.S. Army Security and Assistance Command (USASAC), July 1992

Interview Coverage: 1989-1992

Interviewer: Dr. Robert Darius, U.S. Army Materiel Command History Office

Date of Interview: September 1995

Location: USAMC

Flax, Alexander H.

Air Force Air Force - Chief Scientist

Subject: **Research and Development - Air Force**

Contents: R&D of F-15, F-14, A-7, AX and vertical/short takeoff and landing (VSTOL) aircraft; influence of Vietnam war on fighter development; OSD attempts to impose commonality; Air Force disagreement on weapon systems; Air Force preference for multi-purpose aircraft; cost of weapon systems; role of Assistant Secretary of Defense for Research and Development; C-5A research, development and procurement; Skybolt program; remotely piloted vehicle technology; helicopter development; need for basic research and development; 1958 DoD reorganization; neglect of limited war technology; operations of Advanced Research Projects Agency, Air Force Systems Command and Director of Defense for Research and Engineering

Biography: Office of Chief Scientist of the Air Force

Interview Coverage: 1959-1973

Interviewer: Jacob Neufeld and Dr. James C. Hansdorff

Date of Interview: 27-29 November 1973

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee for citations or

Pages: 246

Finding Aids: AFHRA 691

Location: AFHRA

Flynn, MG William S.

Army Army - Tank-Automotive Command

Subject: **Test and Evaluation - Army**

Biography: CG, TACOM

Interview Coverage: 1987-1989

Access Information: File open and available

Location: USAMC

Fogelman, GEN Ronald R.

Air Force U.S. Transportation Command

Subject: **Logistics - Air Force**

Contents: Discussion of career; references to C-17 program, acquisition problems, and service/public criticism of C-17

Biography: Commander-in-Chief, USTRANSCOM and Commander, USAF AMC

Interview Coverage: 1992-1994

Interviewer: Dr. James K. Matthews and Dr. John W. Leland

Date of Interview: March 1995

Interview Medium: Transcript - Paper

Access Information: Open

Title: **General Ronald R. Fogelman: Commander-in-Chief, United States**

Pages: 82

Location: TRANSCOM

Forster, Robert H.

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of career at NWC; work on special weapons projects, including swimmer weapons, covert devices, and operational support to the Navy, Marine Corps, other agencies; monologue included with transcript provides details on specific weapons and devices with accompanying illustrations

Biography: Staff, NWC Bomb Directorate, Special Weapons Directorate

Interview Coverage: 1960s-1980s

Interviewer: Leroy L. Doig, III

Date of Interview: 15-16 January 1987

Interview Medium: Transcript - Paper

Access Information: access very limited (no further details)

Pages: 219

Location: NWC

Foster, Dr. John S.

OSD **OSD – R&D**

Subject: **Research and Development - OSD**

Biography: DDR&E, 1965-1973

Interview Coverage: 1960s-1970s

Interviewer: Walton S. Moody

Date of Interview: 19 February 2003

Interview Medium: Transcript - Paper

Access Information: Pending

Location: DAHP

Foster, LTG William H.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Management of Office of Assistant Secretary of the Army for Research, Development and Acquisition; value of military experience in industry; total quality management; relations with Office of the Secretary of Defense (OSD); disconnect between Comptroller and ASARDA; management of foreign military sales; requirements problem under Goldwater-Nichols

Biography: Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland, Organizational History Division, U.S. Army Center

Date of Interview: 17 October 1996

Place of Interview: Crystal City, VA

Interview Medium: Transcript - Paper

Foster, LTG William H.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Perception of Military Deputy job; achievements as Military Deputy; budget reductions; buildup of acquisition corps; modernization versus force structure; post-Cold War weapons and strategy; strategic mobility; Force 21; battlelabs

Biography: Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland, Organizational History Division, U.S. Army Center

Date of Interview: 24 October 1997

Interview Medium: Transcript - Paper

Foster, LTG William H.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Longbow; management of test and evaluation; relations with Army Materiel Command (AMC), Air Force and Navy; defense agencies; Congress; Office of the Secretary of Defense (OSD); news media; Comptroller and funding

Biography: Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland, Organizational History Division, U.S. Army Center

Date of Interview: 19 September 1997

Place of Interview: Rosslyn, VA

Interview Medium: Transcript – Paper

Foster, LTG William H.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Relations with Chief of Staff of the Army (CSA), Army Staff, President Bill Clinton and Secretary of Defense William Perry; strategy and acquisition reform; financial management; role of program managers (PMs) and Program Executive Officers (PEOs).

Biography: Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland, Organizational History Division, U.S. Army Center

Date of Interview: 7 November 1996

Place of Interview: Crystal City, VA

Interview Medium: Transcript - Paper

Foster, LTG William H.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Handling transitions in Office of the Assistant Secretary of the Army for Research, Development (RD&A); management and organization of RD&A; NASA and Apollo and Space Shuttle;

Secretary of Defense William J. Perry and streamlining;
requirements process

Biography: Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland, Organizational History Division, U.S. Army Center

Date of Interview: 1 March 1996

Place of Interview: Crystal City, VA

Interview Medium: Transcript - Paper

Foster, LTG William H.

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Duties of position; relations with Secretary Stone; budget and Congress; modernization of Army systems; relations with Army Staff; replacement of LTG August M. Cianciolo as Military Deputy; relations with contractors; experience in Apollo program and OPTEC

Biography: Military Deputy, Office of the Assistant Secretary of the Army for Research, Development and Acquisition, Headquarters, Department of the Army, Washington DC

Interviewer: Dwight Oland, Organizational History Division, U.S. Army Center

Date of Interview: 15 February 1996

Place of Interview: Arlington, VA

Interview Medium: Transcript - Paper

Fountain, Ralph

Air Force **Air Force - Logistics Command**

Subject: **Procurement - Air Force**

Contents: Status of spares acquisition/production contracting technique for F-15 aircraft; current status of war readiness spares kits for F-15; problems with spares shortages and delivery delays; competition with automotive and toy markets

Interviewer: Dr. Richard W. Iobst

Date of Interview: 28 February 1980

Interview Medium: Transcript - Paper

Pages: 21

Finding Aids: AFHRA 1243

Location: AFHRA

Fowler, VADM Earl

Navy **Naval Electronic Systems Command (NAVELEX)**

Subject: **Acquisition - Navy**

Contents: Remarks about the effectiveness of NAVELEX in acquisition and systems integration; comments about steps taken to improve NAVELEX acquisition process; comments about NAVELEX effectiveness, reasons for 1981 reorganization that led to the establishment of SPAWAR; comments about warfare systems architecture and engineering (WSA&E) work within NAVELEX

Interview Coverage: 1970s-1980s
Interviewer: Dr. Joseph Marchese
Date of Interview: 17 May 1990
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 29
Location: DTRC

Franke, William B.

Navy **Navy - Secretary**

Subject: **Secretary - Navy**

Biography: Asst. Secretary of the Navy, 1954-1957; Undersecretary of the Navy, 1957-1959; Secretary of the Navy, 1959-1961

Interview Coverage: 1954-1961
Date of Interview: 1972
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 51
Finding Aids: OH 182
Location: Eisenhower Library

Franklin, John C.

Defense Industry **General Dynamics**

Subject: **Defense Industry**

Biography: Vice President, General Dynamics Corp.; Vice President, Engineering, TWA

Interview Medium: Transcript - Paper
Access Information: Open
Pages: 13

Location: Hoover Library, Stanford University

Freedman, Robert

Navy **Naval Weapons Center (China Lake)**

Subject: **Acquisition - Navy**

Contents: Interview part of A-7 support activity history project; discussion of the origins of the A-7 aircraft and avionics software; philosophy of management at NWC; relationships with contractors and project sponsors; development of support facilities; product fielding

Interview Coverage: 1960s-1980s
Interviewer: Leroy L. Doig, III
Date of Interview: 18 August 1987
Interview Medium: Transcript - Paper
Access Information: access limited
Pages: 67
Location: NWC

Frick, Richard H.

Air Force RAND

Subject: Research and Development - Air Force

Contents: Career information; satellite research; USAF research on missile dynamics; contract feasibility studies

Biography: RAND physicist

Interview Coverage: 1930s-1960s

Interviewer: Joseph Tartarewicz and David Devorkin

Date of Interview: 12 November 1987

Length of Interview: 3 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 43

Location: NASM

Fris, Edward S.

Marine Corps

Subject: Procurement - Marine Corps

Contents: Lengthy discussion of the origins and development of the Marine Tactical Data System (MTDS); discussion of service career, including work as Marine Liaison Officer, Litton Industries (1960-1961)

Biography: USMC Service, 1943-1975; Inspector General of the Marine Corps, 1969-1970

Interview Coverage: 1940s-1960s

Interviewer: Mr. Benis M. Frank

Date of Interview: 1980-1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 278

Location: USMC Historical Center

Frosch, Dr. Robert A.

Navy Advanced Research Projects Agency

Subject: Program Management - Navy

Contents: Comparison of Navy and private labs in terms of flexibility, mission, size, and effect of bureaucracy; comments on the role of Navy Asst. Secretary for R&D in R&D process (management philosophy, control over channels of command, budget); budget problems; McNamara and Laird influences on Navy R&D

Interview Coverage: 1960s-1970s

Interviewer: Dr. Vincent Ponko

Date of Interview: 7 January 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 64

Location: DTRC

Frosch, Dr. Robert A.

Navy

Advanced Research Projects Agency

Subject: Research and Development - Navy

Contents: career, work with ARPA; role as director of Hudson Laboratories; PERT, ocean floor modeling; work as Assistant Secretary of the Navy for Research and Development; Navy space projects; effects of the Mansfield Amendment on Navy R&D; NASA, Space Shuttle, Space Telescope work

Interview Coverage: 1960s-1970s

Interviewer: Dr. David H. DeVorkin

Date of Interview: 10 July 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 256

Location: NASM

Funk, MG Ben I.

Air Force

Subject: ICBM development

Contents: Role of Ballistic Missile Center and San Bernardino Air Materiel Area; ICBM development; Gillette procedures; USAF weapon system development; Air Materiel Command/Air Research and Development Command role in ICBM program; authority of Ballistic Missile Division; non-profit corporations; "weapon system" concept; concurrency procurement; USAF-contractor relationships; changes in R&D and procurement program management; military use of space; USAF-NASA relationship; ARDC establishment; cost versus weapon selection; status of USAF research and development

Interviewer: Arthur K. Marmor, Office of Air Force History

Date of Interview: August 1966

Interview Medium: Transcript - Paper

Access Information: Official use only

Pages: 23

Finding Aids: AFHRA 791

Location: AFHRA

Furlong, LTG Raymond B.

Air Force

Subject: Procurement - Air Force

Contents: F-14/F-15 flyoff; GEN David C. Jones and B-1 selection

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 23 September 1981

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 61

Finding Aids: AFHRA 1421

Location: AFHRA

Galligan, LTG Walter T.

Air Force

Subject: Contracts - Air Force

Contents: F-111 and F-5 contract controversies involving Boeing, Convair and Lockheed

Biography: Legislative liaison, Air Staff, Washington DC; Director of Operations, U.S. Air Forces Europe; Commandant, Air Force Academy of Cadets; Commander, Air Force Security Service; Commander, U.S. Forces Japan

Interviewer: Dr. James C. Hasdorff

Date of Interview: 31 May 1983

Interview Medium: Transcript - Paper

Pages: 283

Finding Aids: AFHRA 1555

Location: AFHRA

Gansler, Dr. Jacques S.

OSD

Subject: Acquisition Policy; Research and Development – OSD

Contents: Problems in acquisition of major weapons systems at the beginning of the Reagan era; acquisition reform; the creation of the USD for acquisition and technology (an "acquisition czar"); Packard Commission; the role of industry; the role of commercial technology; reforming PPBS; Goldwater-Nichols; decentralization; Grace Commission; spare parts scandal; waste, fraud and abuse; the Reagan buildup; competition; technology; budget process; Strategic Defense Initiative

Biography: *Under Secretary of Defense (Acquisition, Technology and Logistics), 1997-2001; DAD (Material Acquisition); Assistant DDR&E (Electronics)*

Interview Coverage: 1970s-1980s

Interviewer: Andrew J. Butrica

Date of Interview: 12 September 2002

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 40

Location: DAHP

Garritson, CAPT Grant Richard

Navy **David Taylor Research Center**

Subject: Research and Development - Navy

Contents: Career and work as Commander at David Taylor Research Center (DTRC); in-depth assessment of DTRC technical programs and departments; elimination of redundancies between Annapolis and Carderock activities; role of DTRC in the navy; proper organization of Navy R&D centers; comments about the role of naval officers in R&D centers as "providing fleet perspective to the centers and credibility of center output to the fleet"

Biography: Commander, David Taylor Research Center

Interviewer: Dr. Joseph Marchese

Date of Interview: 19 May 1987

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 49

Location: DTRC

Gates, Thomas S.

Navy **Navy - Secretary**

Subject: **Secretary - Navy**

Contents: One of a series of interviews on the concept and development of the Polaris program

Biography: Under Secretary of the Navy, 1953-1957; Secretary of the Navy, 1957-1959; Deputy Secretary of Defense, 1959; Secretary of Defense, 1959-1961

Interview Coverage: 1960s

Interviewer: unknown

Date of Interview: September 1972

Interview Medium: Transcript - Paper

Access Information: Open - interview conducted by U.S. Naval Institute Oral

Pages: 71

Location: NHC, NWCM, UNSA, USNI

Gates, Thomas S., Jr.

OSD **OSD - Secretary of Defense**

Subject: **Secretary - OSD**

Biography: CDR, USNR, 1942-1954; Undersecretary of the Navy, 1953-1957; Secretary of the Navy, 1957-1959; Deputy SecDef, 1959; Secretary of Defense, 1959-1961

Interview Coverage: 1942-1961

Date of Interview: 1967

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 99

Finding Aids: OH 183

Location: Eisenhower Library

Gavin, James

Army

Subject: **Research and Development - Army**

Contents: Army staff research and development; organization of joint chiefs of staff; army research and development; retirement and disagreements with Gen. Maxwell Taylor

Biography: Chief of Research & Development, Department of the Army

Interview Coverage: 1950s

Interview Medium: Transcript - Paper

Access Information: Retained by MHI; oral history included with paper

Location: MHI

Gavin, James M.

Army

Subject: Research and Development - Army

Biography: Chief of Research and Development, Department of the Army,
1956-1957

Interview Coverage: 1955-1957

Date of Interview: 1967

Interview Medium: Transcript - Paper

Access Information: Written permission required to cite, quote, or reproduce

Pages: 37

Finding Aids: OH 183

Location: Eisenhower Library

Gentry, COL Ralph P.

Air Force Air Force - Air Materiel Command

Subject: Research and Development - Air Force

Contents: Background of Air Materiel Command and ARDC reorganization
of March 1961

Interviewer: F.A. Alling, Office of Air Force History

Date of Interview: 19 October 1961

Interview Medium: Transcript - Paper

Pages: 2

Finding Aids: AFHRA 618

Location: AFHRA

Georgi, BG William F.

Air Force

Subject: Program Management - Air Force

Contents: F-X (F-15) program and its conflicts with other programs;
operational strengths and weaknesses of F-111, A-7, F-5 and
Army helicopters; interservice rivalry with Army over F-X

Biography: Instrumental in development of F-15 aircraft

Interview Coverage:

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 5 June 1973

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 28

Finding Aids: AFHRA 964

Location: AFHRA

Getting, Dr. Ivan A.

Air Force

Subject: Research and Development - Air Force

Biography: Assistant for Development Planning, Headquarters USAF, August
1950 - August 1951. Vice President/President, Raytheon
Corporation, August 1951 - August 1960. President, Aerospace

Corporation, August 1960 - 1977

Interviewer: Richard H. Kohn

Interview Medium: Transcript - Paper

Editor: Jacob Neufeld

Title: "Reflections on Research and Development in the United States Air Force"

Place of Publication: Washington DC

Publisher: Center for Air Force History

Date of Publication: 1993

Gibson, MG Emmitt E.

Army **Army - Aviation and Missile Command**

Subject: **Research and Development - Army**

Contents: Accessible via

<http://www.redstone.army.mil/history/oral/gibson.html>

Biography: Chief, Requirements, Programs and Priorities Division, Office of the Deputy Chief of Staff for Operations and Plans, HQDA, Washington DC; Executive Officer to the Vice Chief of Staff, HQDA; Assistant Division Commander, 101st Airborne Division (Air Assault), Fort Campbell, KY; Director, Force Programs, Office of the Deputy Chief of Staff for Operations and Plans, HQDA; Commanding General, U.S. Army Aviation and Missile Command (AMCOM), Redstone Arsenal, AL, July 1997 - July 1999

Interview Coverage: 1997-1999

Interviewer: Michael E. Baker, Claus R. Martel and Janic Powell, AMCOM

Date of Interview: 30 June 1999

Interview Medium: Tape - Video

Location: USAMC

Gideon, LTG Francis C.

Air Force **Air Force - Air Materiel Command**

Subject: **Logistics - Air Force**

Contents: Interim Logistics System (1961-62) and purchase of computers; Defense Supply Agency and McNamara; standardization of data systems in Air Force materiel areas; Advanced Logistics System (ALS)

Biography: Director of Operations, Military Airlift Transportation Service; Director of Transportation, Air Materiel Command, July 1959; Commander, Warner Robins Air Materiel Area (WRAMA), August 1966; Commander, 13th Air Force, August 1968

Interviewer: CPT Mark C. Cleary

Date of Interview: 7 July 1982

Interview Medium: Transcript - Paper

Pages: 159

Finding Aids: AFHRA 1338

Location: AFHRA

Gillis, Jane L.

Army **Army - Aviation and Missile Command**

Subject: **Aviation - Army**

Contents: Aviation Branch Director of Logistics

Biography: Staff, Director of Logistics

Interviewer: Dr. James W. Williams

Date of Interview: 19 December 1997

Length of Interview: 60 min. tape+summary

Interview Medium: Tape - Audio

Access Information: Open; filed alpha in file cabinet, 870-5.4000 series

Location: AABHO

Gilpatric, Roswell L.

Air Force **Air Force - Under Secretary**

Subject: **Program Management - Air Force**

Contents: Program to acquire heavy presses for aircraft manufacturing; conflict between Air Force and Navy on aircraft production; opposition to use of titanium in aircraft production; efficiency of aircraft industry in handling DoD contracts

Biography: Under Secretary of Air Force

Interviewer: E. Clifford Snyder, Air Materiel Command History Office

Date of Interview: 8 February 1954

Interview Medium: Transcript - Paper

Pages: 6

Finding Aids: AFHRA 715

Location: AFHRA

Gilpatric, Roswell L.

OSD **OSD - Deputy Secretary of Defense**

Subject: **Acquisition**

Biography: Assistant Secretary of Air Force for Materiel, 1951; Under Secretary of Air Force, 1951-1953; Deputy Secretary of Defense, 1961-1964

Interviewer: Jerry N. Ness, Truman Library

Date of Interview: 19 January 1972

Interview Medium: Transcript - Paper

Pages: 48

Finding Aids: AFHRA 1284

Location: AFHRA

Glasser, LTG Otto J.

Air Force **Air Force - Minuteman Program Office**

Subject: **Research and Development - Air Force**

Contents: Work on Mark 5 bomb; ICBM development; warhead development for Project Atlas; Minuteman research and development; origin of Ramo-Wooldridge; creation of Aerospace Corporation; origin of Advanced Research Projects Agency; SAMSO project; Midas project; reconnaissance satellite program; improvement in USAF management systems; AFLC and AFSC

reorganization; civilian technical workforce; Project Rand; Airborne Laser Project; B-1 program; fly-before-buy concept

Biography: Assistant Deputy Director, Ballistic Missiles; Director, Minuteman Program Office; Member, AFSC Task Group

Interviewer: LTC John J. Allen

Date of Interview: 5-6 January 1984

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 188

Finding Aids: AFHRA 1566

Location: AFHRA

Gleiter, Werner

Navy **Navy - Naval Air Development Center**

Subject: **Research and Development - Navy**

Contents: Career in Navy and at Naval Air Development Center (NADC); description of Sonobouy research and development; SSQ-15 Sonobouy program; cooperation between government and industry; Columbia University Sonobouy and Anti-Submarine Warfare (ASW) programs; rise of air ASW; NADC's relations with Bureau of Aeronautics (BUAER)

Interview Coverage: 1940s-1970s

Interviewer: Tom Misa and Ed Todd

Date of Interview: 8 July 1982

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Access Information: Open

Location: NADC, DTRC

Goldsworthy, LTG Harry E.

Air Force **Air Force - Systems Command**

Subject: **Research and Development - Air Force**

Contents: B-36 aircraft; assignments as inspector general; political reasoning behind Atlas and Titan I programs; Secretary McNamara; Ernest Fitzgerald; Navy/Air Force rivalry; views on outsourcing

Biography: Member, Weapons Systems Evaluation Group, Joint Chiefs of Staff, 1949; Site Activation Task Force Commander, First Minuteman ICBM Wing, 1960; Director of Production and Programming, Deputy Chief of Staff for Systems and Logistics, HQ USAF, 1963; Commander, Aeronautical Systems Division, Air Force Systems Command, Wright-Patterson AFB, OH, 1967; Deputy Chief of Staff for Systems and Logistics, HQ USAF, 1969

Interviewer: Dr. James C. Hasdorff

Date of Interview: 11-12 September 1984

Interview Medium: Transcript - Paper

Pages: 192

Finding Aids: AFHRA 1607

Location: AFHRA

Goodpaster, General Andrew J.

Army

Biography: Staff Secretary to President Eisenhower; SACEUR

Interviewers: Elliot V. Converse, III; Walter S. Poole

Date of Interview: 8 August 2001

Interview Medium: Transcript - Paper

Access Information: Pending

Location: DAHP

Gossick, MG Lee V.

Air Force Air Force - Systems Command

Subject: **Research and Development - Air Force**

Contents: USAF research and development; ARDC European Office, late 1950s; relationship of Systems Program Director and Aeronautical Systems Division; effects of Vietnam War on AFSC programs; AFSC support for Vietnam War; relationship between Air Force Systems Command and Deputy Secretary of Defense David Packard; definition of "prototype;" concurrent acquisition

Biography: Commander, Arnold Engineering Development Center, 1964; Program Director, F-111 aircraft development; Commander, Aeronautical Systems Division (ASD), 1969; Deputy Chief of Systems, Air Force Systems Command, 1970

Interviewer: Walter L. Kraus

Date of Interview: 11 January 1973

Interview Medium: Transcript - Paper

Pages: 26

Finding Aids: AFHRA 730

Location: AFHRA

Graham, Col. James

Air Force Strategic Defense Initiative Organization

Subject: **Ballistic Missile Defense**

Interviewer: Lt. Col.. Donald R. Baucom, SDIO Historian

Date of Interview: 2 August 1988

Place of Interview: The Pentagon, Washington DC

Location: BMDO History Office

Gralla, VADM Arthur R.

Navy Naval Ordnance Systems Command

Subject: **Research and Development - Navy**

Contents: Discussion of pre-1946 work in R&D, including torpedo research; work in Bureau of Ordnance (BUORD) and Bureau of Weapons (BUWEPS); discussion of tenure as first head of Naval Ordnance Systems Command; remarks about his opposition to DNL/DLP, need for military control of labs; Gralla comments on placing labs under control of DNL (would prefer if labs were under the Systems Commands); remarks about limiting the power of the ASN (R&D) and the CNM, making the labs compete with private industry; description of the R&D funding process, problems of the material Navy

Biography: Head, Naval Ordnance Systems Command

Interview Coverage: 1940s-1970s

Interviewer: Vincent Ponko, Jr.

Date of Interview: 4 November 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 31

Location: DTRC

Gray, Gordon

Army **Army - Secretary**

Subject: **Secretary - Army**

Biography: Secretary of the Army, 1949-1950

Interview Medium: Transcript - Paper

Access Information: Open

Location: Truman Library

Gray, MG Robert E.

Army **Army - Signal Command**

Subject: **Communications - Army**

Contents: Exit interview.

Biography: Deputy Director for Plans, Operations and Systems, Office of the Secretary of the Army, Washington DC, during DESERT SHIELD/DESERT STORM; Chief of Signal

Interview Coverage: 1991-1994

Date of Interview: 11 July 1994

Interview Medium: Tape - Audio

Location: USASC-FG

Gray, MG Robert E.

Army **Army - Signal Command**

Subject: **Communications - Army**

Contents: State of Signal Corps after Vietnam (part of SOMA study).

Biography: Deputy Director for Plans, Operations and Systems, Office of the Secretary of the Army, Washington DC, during DESERT SHIELD/DESERT STORM; Chief of Signal

Interview Coverage: 1975-1994

Interviewer: Carol E. Stokes

Date of Interview: 20 March 1994

Interview Medium: Tape - Audio

Location: USASC-FG

Gray, MG Robert E.

Army **Army - Office of Secretary of the Army**

Subject: **Communications - Army**

Contents: Signal Corps in DESERT SHIELD/DESERT STORM.

Biography: Deputy Director for Plans, Operations and Systems, Office of the Secretary of the Army, Washington DC, during DESERT SHIELD/DESERT STORM

Interview Coverage: 1990-1991
Date of Interview: 16 June 1992
Interview Medium: Tape - Audio
Location: USASC-FG

Gray, MG Robert E.

Army **Army - Office of Secretary of the Army**
Subject: **Communications - Army**
Biography: Deputy Director for Plans, Operations and Systems, Office of the
Secretary of the Army, Washington DC, during DESERT
SHIELD/DESERT STORM

Interview Coverage: 1990-1991
Date of Interview: 5 September 1992
Interview Medium: Tape - Audio
Location: USASC-FG

Grodsky, James

OSD **OSD - Secretary of Defense**
Subject: **Acquisition - Navy**
Contents: Discussion of OSD systems acquisition in the 1960s; use of
Technical Development Papers; genesis of Decision Coordinating
Papers; creation of the Defense Systems Acquisition Review
Council; creation of the Concept Formulation. Contract Definition
process; need for honest presentation of system and contracting
options to the Secretary of Defense (SECDEF)

Biography: Staff, Office of the Director of Defense Research and Engineering

Interview Coverage: 1960s
Interviewer: Booz, Allen and Hamilton
Date of Interview: 22 January 1975
Interview Medium: Tape - Audio
Access Information: Open
Location: DTRC

Groves, Leslie

Army **Army - Manhattan Engineer District/Project**
Subject: **Atomic Energy**
Biography: Chief, Manhattan Engineer District, 1942-1947
Interview Medium: Transcript - Paper
Access Information: portions closed until 2000
Pages: 47
Location: Hoover Library

Gust, Major General David R.

Army
Subject: **Project Management – Army**
Interviewers: Andrew J. Butrica; Philip L. Shiman
Date of Interview: 14 August 2001
Interview Medium: Transcript - Paper
Access Information: Pending
Location: DAHP

Guthrie, GEN John R.

Army **Army - Materiel Command**

Subject: **Program Management - Army**

Contents: AMC command management; AMARC; AMARC revisited;
 POMCUS project management

Interviewer: Marken Birdsell

Date of Interview: April 1985

Interview Medium: Transcript - Paper

Access Information: Incomplete file - requires interviewee's edit; availability to

Pages: 73

Location: USAAMC

Haff, CAPT William B.

Navy **Naval Weapons Center (China Lake)**

Subject: **Program Management - Navy**

Contents: Discussion of changes in the character of air-to-air warfare; new
 weapons and electronic warfare; future of NWC; place of Navy
 labs versus contractor research in naval R&D; relations with
 contractors and people in Washington DC; comments on
 military-civilian relationships at NWC and lab responses to fleet
 needs; personal philosophy on RDT&E

Interview Coverage: 1970s

Interviewer: Leroy L. Doig, III

Date of Interview: 24 June 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 33

Location: DTRC

Hafstad, Dr. Lawrence R.

Defense Contractor General Motors Corporation

Subject: **Atomic Energy**

Contents: Electronics; proximity fuse; employment with Bell Laboratories;
 ionosphere experiments; high-voltage acceleration; sonic and
 seismic techniques; employment with General Motors Corporation;
 Committee for Undersea Warfare; storage of atomic weapons;
 internal struggle to use atomic energy for military purposes

Interviewer: Hugh N. Ahmann

Date of Interview: 21 March 1985

Interview Medium: Transcript - Paper

Pages: 37

Finding Aids: AFHRA 1638

Location: AFHRA

Hails **LTG Robert E.**

Air Force **Air Force - Inspector General**

Subject: **Program Management - Air Force**

Contents: Mass production benefits for aircraft; HQ USAF Inspector
 General's office; antiquated tooling; dormant aircraft production
 capability; prototype training with industries; management inspection

philosophy; procurement of aircraft for French Air Force; F-104 program management; struggle between Air Materiel Command and Air Research and Development Command; defense economics in nuclear age; Bureau of Budget; military force constitution decisions; F-104 and F-105 aircraft; F-104 accident rate; weapon system life cycle; differences in Eisenhower and Kennedy administrations; Secretary of Defense McNamara; weapon system management; advanced manned strategic aircraft; A-7 program; A-10 aircraft; depot maintenance industrial responsibilities; depot plant modernization program; Air Logistics Division, AFSC; fraud C-141 Stretch program; C-5 aircraft; drones and remotely piloted vehicles (RPVs); AWACS; precision emitter location system; Project MAX; defense contractor fund

Interviewer: Dr. James C. Hasdorff

Date of Interview: 2-3 August 1984

Interview Medium: Transcript - Paper

Pages: 228

Finding Aids: AFHRA 1603

Location: AFHRA

Hall, BG David M.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Causes and results of congressional dismantling of Advanced Logistics System (ALS); need for advanced computer technology; -300 series regulations that did not provide for large-scale systems such as Advanced Logistics System; Project MAX, maintenance system confused by Congress for Advanced Logistics System; duties and responsibilities of Air Force Logistics Command Comptroller; foreign military sales; Logistics Command outlays and funding sources; complexity of logistics mission and its financial and technological implications

Biography: Comptroller, Air Force Logistics Command

Interviewer: Robert J. Smith

Date of Interview: 15 June 1979, 2 May 1983

Interview Medium: Transcript - Paper

Pages: 85

Finding Aids: AFHRA 1545

Location: AFHRA

Hall, James

Navy Naval Weapons Center (China Lake)

Subject: **Program Management - Navy**

Contents: Discussion of A-7 support activity at NWC; part of archival project to support the document, "What Have You Done for the Fleet Today? A Brief History of the A-7E Weapon System Support Activity"; discussion of the origins of the A-7 aircraft software and avionics support program at China Lake; major accomplishment of the program; philosophy of the program managers; relationships with contractors and sponsors; growth of digital development of

support facilities; product fielding - group interview with John Hoyen

Interview Coverage: 1970s-1980s

Interviewer: Leroy L. Doig, III

Date of Interview: December 1987

Interview Medium: transcript and video

Access Information: access limited

Pages: 31

Location: DTRC

Hall, MG Titus G.

Air Force Air Force - Aeronautical Systems Division

Subject: **Test and Evaluation - Air Force**

Contents: B-47 aircraft; EC-47 aircraft; B-1 aircraft.

Biography: Communications Intelligence Operations Officer, U.S. Air Force Security Service, Japan; Commander, Kodiak Satellite Tracking Station, Alaska; Chief Avionics Engineer, B-1 strategic bomber program, Aeronautical Systems Division, Wright-Patterson AFB, OH, March 1972; Systems Program Director, Avionics Program Office, Aeronautical Systems Division; Assistant Deputy for Reconnaissance/Strike/Electronic Warfare Program Office, Aeronautical Systems Division

Interviewer: 1LT Wayne D. Perry

Date of Interview: 15 November 1987

Length of Interview: 4:30 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1775

Location: AFHRA

Hamre, John J.

OSD OSD - Deputy Secretary of Defense (Comptroller)

Subject: **OSD - Comptroller**

Biography: Under Secretary of Defense (Comptroller), October 1993 - July 1997. Deputy Secretary of Defense, July 1991 - March 2000.

Interviewer: Greg Schneider

Interview Medium: Transcript - Paper

Title: "A Conversation with John J. Hamre"

Pages: E12

Publisher: Washington Post

Date of Publication: 28 February 2000

Harbold, MG Norris B.

Air Force Air Force - Air Materiel Command

Subject: **Logistics - Air Force**

Biography: Inspector General, Air Materiel Command; Commander, Ogden Air Materiel Area

Interviewer: Dr. James C. Hasdorff

Date of Interview: 9-10 July 1987

Interview Medium: Transcript - Paper

Pages: 90

Finding Aids: AFHRA 1760

Location: AFHRA

Hardin, LTG Ernest C., Jr.

Air Force

Subject: **Research and Development - Air Force**

Contents: Buildup of Army aviation; need for SDI; new approach to inspection; industrial job-related accidents; Energy Research and Development Administration

Biography: Military assistant to McNamara; Commander, 839th Air Division; Director of Operations, PACAF; Deputy Chief of Staff for Operations, Seventh Air Force

Interviewer: Dr. James C. Hasdorff

Date of Interview: 17 April 1985

Interview Medium: Transcript - Paper

Pages: 127

Finding Aids: AFHRA 1650

Location: AFHRA

Hardy, LTG John S.

Air Force

Industrial College of the Armed Forces

Subject: **Defense Industry**

Contents: B-47 aircraft; Symington investigation of Defense Department; Air Force organization; Mace missiles; Air Force-Navy relations; GEN Ira C. Eaker

Biography: Commandant, Industrial College of the Armed Forces

Interviewer: CPT Mark C. Cleary

Date of Interview: 17-18 October 1983

Interview Medium: Transcript - Paper

Pages: 201

Finding Aids: AFHRA 1544

Location: AFHRA

Hargis, Calvin B., Jr.

Air Force

Air Force - Secretary

Subject: **Research and Development - Air Force**

Contents: F-15 program; Air Force preference for air-superiority instead of multi-role aircraft; selection of McDonnell Douglas as prime contractor for F-15; OSD attempts at commonality between F-14 and F-15

Biography: Deputy for Development, Office of Secretary of the Air Force, Research and Development

Interview Coverage: 1966-1973

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 21 March 1973

Interview Medium: Transcript - Paper

Pages: 29

Finding Aids: AFHRA 851

Location: AFHRA

Harmeyer, MG George H.

Army **Army - Training and Doctrine Command**

Subject: **Test and Evaluation - Army**

Contents: Army transformation; TRADOC career

Biography: Chief of Armor, 1996-1999

Interview Coverage: 1996-1999

Date of Interview: 1999

Interview Medium: Transcript - Paper

Access Information: End of tour interview; interviewee served as Chief of

Location: Army Armor Center - Ft. Knox

Harris, COL Fred F.

Air Force **Air Force - Logistics Command**

Subject: **Foreign Military Sales**

Contents: Foreign military sales of F-15 aircraft to Saudi Arabia; Peace Sun
technical support program; availability of spares and support
equipment for Peace Sun

Interviewer: Dr. Richard W. Iobst

Date of Interview: 29 September 1980

Interview Medium: Transcript - Paper

Pages: 14

Finding Aids: AFHRA 1252

Location: AFHRA

Harris, LTG Bruce R.

Army **Army - Signal Command**

Subject: **Program Management - Army**

Contents: State of Signal Corps after Vietnam War (part of SOMA study);
also on audio cassette

Interview Coverage: 1975-1994

Interviewer: Carol E. Stokes

Date of Interview: 28 February 1994

Interview Medium: Transcript - Paper

Location: USASC-FG

Harrison, MG Jerry C.

Army **Army - Laboratory Command**

Subject: **Research and Development - Army**

Biography: Commander, LABCOM, 1989-1991

Interview Coverage: 1989-1991

Date of Interview: May 1992

Access Information: File open to bona fide researchers

Location: USAMC

Hartinger, GEN James V.

Air Force **North American Aerospace Defense Command**

Subject: **Test and Evaluation - Air Force**

Contents: Assignment as F-111 Test Director.

Biography: Action officer, Pentagon; student, Industrial College of Armed

Forces; squadron commander, Vietnam; RTU; F-111 Test
Director, Nellis AFB, NV; wing commander; NORAD Plans;
CINCNORAD

Interviewer: CPT Barry J. Anderson

Date of Interview: 5-6 September 1985

Interview Medium: Transcript - Paper

Pages: 214

Finding Aids: AFHRA 1673

Location: AFHRA

Hartmann, Dr. Gregory

Navy **Naval Ordnance Lab - White Oak**

Subject: **Research and Development - Navy**

Contents: Broad discussion of career and R&D projects at Naval Ordnance Laboratory (NOL); discussion of R&D in Bureau of Ordnance (BUORD); Atomic Energy Commission work at NOL; laboratory management remarks; bureaus attempts to create a lab management office; laboratory-SYSCOM dialogues; Research and Development Board (RDB); comments about the office of the Director of Defense Engineering and Research (DDR&E); examples of aborted R&D projects

Biography: Technical Director, Naval Ordnance Laboratory (NOL) White Oak, 1956-1973

Interview Coverage: 1940s-1970s

Interviewer: Susan Frutkin and CAPT Robert L. Hansen

Date of Interview: 15 October 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 149

Location: NHC; DTRC

Hartmann, Dr. Gregory

Navy **Naval Ordnance Lab - White Oak**

Subject: **Research and Development - Navy**

Contents: Early work in navy explosives and torpedo R&D; detailed history of torpedo improvements during WWII, including creation of first homing torpedo, Mk25; introduction of feasibility studies; effects of the McNamara reforms and the early development of the Mk48; comments about bureaucratic disputes and difficulties in Navy; competition among Navy R&D centers; difficulties inherent in "fixed cost" contracting

Biography: Technical Director, Naval Ordnance Laboratory (NOL) White Oak, 1956-1973

Interview Coverage: 1940s-1970s

Interviewer: Dr. Joseph Marchese

Date of Interview: 27 July 1989

Length of Interview: 2 tapes

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Hattabaugh, William R.

Navy **Naval Weapons Center (China Lake)**

Subject: **Acquisition - Navy**

Contents: Reflections on Naval Weapons Center (NWC) associations; relations between NWC and contractors; changes in the center's role within the Navy; remarks about the interaction of R&D and T&E sides of the lab, support of the fleet; discussion of Dr. William B. McLean

Biography: Staff, Naval Weapons Center (NWC)

Interviewer: Leroy L. Doig, III and Joseph M. Burge

Date of Interview: 9 July 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 31

Location: NWC; DTRC; NHC

Hays, Burrell W.

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of career at the Naval Weapons Center (NWC), with attention to the lessons learned in the Engineering Department; remarks about production problems with the Sparrow missile that led to the program's assignment to NWC for engineering fixes; the Advanced Common Intercept Missile Demonstration (ACIMD); political problems with the High-Speed Antiradiation Missile (HARM); headquarters influence in the management of NWC; remarks about the Freeman era (RADM Rowland G. Freeman, III)

Interviewer: Leroy L. Doig, III

Date of Interview: 21 April 1986; 4 December 1986

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 55

Location: NWC

Hayward, ADM John T.

Navy **Naval Ordnance Test Station**

Subject: **Research and Development - Navy**

Contents: Discussion of the role of rockets in the Pacific during WWII; intermixing of ordnance and rocket research; assignment to the Naval Ordnance Test Station (NOTS); broad commentary about the post-war research programs at NOTS

Interview Coverage: 1940s

Interviewer: J.D. Gerrard-Gough

Date of Interview: 26 July 1973; 15 November 1973

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 65

Location: NWC; DTRC

Hayward, ADM John T.

Navy **Office of Naval Research**

Subject: **Program Management - Navy**

Contents: Discussion of the establishment of the Assistant Chief of Naval Operations (ACNO) for (R&D); ACNO's relationships with the Navy bureaus; budget requirements for R&D in the 1950s; methods used by the R&D Board to revise programs; comments about the Libby Board study and the proposed merger of the Bureau of Ordnance (BUORD) and the Bureau of Aeronautics (BUAER); description of ACNO's effect on Navy programs; impact of the Director of Defense Research and Engineering (DDR&E); the role of the Deputy Chief of Naval Operations (DCNO) as appropriations officer; Secretary of Defense (SECDEF) McNamara's feelings on Navy R&D

Interview Coverage: 1940s-1960s

Interviewer: CAPT Robert L. Hansen and Dr. Peter Bruton

Date of Interview: 9 October 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 45

Location: NWC; DTRC

Hayward, ADM John T.

Navy

Subject: **Program Management - Navy**

Contents: Discussion of career in strategic weapons establishment, including tour at Naval Ordnance Test Station (NOTS) and China Lake nuclear weapons support programs; discussion of the unique role of the Experimental Office at NOTS/NWC; military-civilian relationships; NOTS T&E establishment; changes in the way Navy RDT&E is done; included with interview is transcript of ADM Hayward's address to the Indian Wells Navy League (15 October 1987) on the subject of the evolution of U.S. military R&D over the past 40 years, future of DoD R&D

Interview Coverage: 1940s-1980s

Interviewer: Leroy L. Doig, III

Date of Interview: 14-15 October 1987

Interview Medium: Transcript - Paper

Access Information: access limited - S-167 only

Pages: 41

Location: NWC

Hearn, Henry D.

Air Force **Air Force - Logistics Command**

Subject: **Contracts - Air Force**

Contents: C-141B Stretch Modification Program; rationale for stretch modification and alternatives; search for and competitive analysis of stretch contractor; "try before buy" procurement concept; Defense Systems Acquisition Review Council (DSARC) practices;

difficulties encountered in stretch modification contract; modification proposal analysis; program management directives; Advanced Procurement Plan; independent cost analysis

Biography: Contracting Officer, C-141B Stretch Modification Program

Interview Coverage: 1960-1981

Interviewer: Benjamin Vincent, Warner Robins Air Logistics History Office

Date of Interview: 20 May 1981

Interview Medium: Transcript - Paper

Pages: 26

Finding Aids: AFHRA 1300

Location: AFHRA

Heinemann, Edward H.

Air Force Northrup Grumman

Subject: **Defense Industry**

Contents: Military-industrial relationship since World War II.

Interviewer: Daniel R. Mortensen, Office of Air Force History

Date of Interview: 5 April 1984

Interview Medium: Transcript - Paper

Pages: 54

Finding Aids: AFHRA 1765

Location: AFHRA

Henderson, Lawrence J.

Air Force RAND

Subject: **Research and Development - Air Force**

Contents: RAND contracts with USAF; Origins of ANSER

Biography: RAND

Interview Coverage: 1930s-1960s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 28 August 1989; 30 August 1989

Length of Interview: 5 hours

Interview Medium: Transcript - Paper

Access Information: permission required to quote, cite, or reproduce

Pages: 72

Location: NASM

Henderson, MG Frank F.

Army Army - Materiel Command

Subject: **Logistics - Army**

Biography: DCS Logistics

Date of Interview: 21 March 1995

Access Information: review not complete; file availability to be determined

Location: USAMC

Hendricks, MG Gerald K.

Air Force Air Force - Space and Missile Systems

Subject: **Research and Development - Air Force**

Contents: B-47 Operational Engineering Section, MacDill AFB; Atomic Energy Commission; Nuclear Rocket Program; SNAP-10

Program; Orion Program; SR-71 engine; 6.1 community; Rocket Propulsion Lab; Project Forecast; Black Hawk helicopter; Baseline Management Program; SAMSO; creation of Space and Missile Technology Center; MX development; Space and Missile Test Organization

Biography: B-47 Operational Engineering Section, MacDill AFB; Atomic Energy Commission; Assistant for Technology, Rocket Propulsion Lab

Interviewer: Roger S. Alexander

Date of Interview: 10-12 December 1985

Interview Medium: Transcript - Paper

Pages: 363

Finding Aids: AFHRA 1685

Location: AFHRA

Henifin, CAPT Edward E.

Navy Naval Research Laboratory

Subject: **Program Management - Navy**

Contents: Reflections on R&D management in the Navy and at the Naval Research Laboratory (NRL); comments about management changes and what led to them

Interview Coverage: 1960s-1970s

Interviewer: Dr. David K. Allison

Date of Interview: 18 January 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 5

Location: NRL

Henry, Maj. General Charles R.

OSD, Army DLA, DCMC

Subject: **Contracting and Contract Management – OSD**

Contents: Defense Logistics Agency, Army logistics and procurement; career development and promotion for acquisitions officers; Lt. General Donald M. Babers; acquisition executives; Defense Contract Management Command/Agency; competition advocacy; Lt. General Vincent M. Russo; Lt. General Charles P. McCausland; DCAS; contract award process; Donald J. Atwood; inter-service and inter-agency contracting; streamlining DLA; managing reductions in budgets and forces; Bell-Ringer; C-17

Interview Coverage: 1960s-2000s

Interviewer: Carolyn C. Höfig

Date of Interview: 14 July 2004

Interview Medium: Transcript – Paper/Electronic

Access Information: Pending

Pages: 62

Location: DAHP

Heselton, Leslie

Navy **Naval Ocean Systems Command**

Subject: **Acquisition - Navy**

Contents: Discussion of the Blue Ribbon (Fitzhugh) Report on DoD Organization, 1970; comments about laboratory productivity, procurement, and the Defense Advanced Research Projects Agency (DARPA)

Interviewer: Dr. Mark Jacobsen

Date of Interview: 21 September 1987

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 18

Location: NOSC

Highberg, Dr. Ivar

Navy **Naval Ordnance Test Station**

Subject: **Program Management - Navy**

Contents: Discussion of work at the Naval Ordnance Test Station (NOTS) in the late 1940s; changes in the use of NOTS facilities; early rocket and missile work at the lab; use of computer simulation, digital fuse control work on missiles and guns; political ramifications for NOTS of the 1966 division of the Bureau of Weapons (BUWEPS) into NAVORDSYSCOM and NAVSHIPSYSCOM

Interview Coverage: 1940s-1960s

Interviewer: Leroy L. Doig, III

Date of Interview: 1 April 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 26

Location: NHC; DTRC; NWC

Hill, Dr. Lemmuel L.

Navy **Naval Surface Warfare Center**

Subject: **Program Management - Navy**

Contents: Discussion of background and selection as Technical Director of NSWC; goals of NSWC, comments about the control that sponsors try to exercise over R&D centers; discussion of philosophy behind Warfare Systems Architecture and Engineering (WSA&E), role of R&D centers and the systems commands (SYSCOMs); funding of R&D centers; comments about the proper mix of tech-base research, engineering development, and fleet support for R&D centers to undertake; involvement of NSWC in the Strategic Defense Initiative (SDI)

Biography: Technical Director of the Naval Surface Warfare Center (NSWC)

Interview Coverage: 1970s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 10 February 1989

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 39

Location: DTRC

Hill, GEN James A.

Air Force

Subject: **Contracts - Air Force**

Contents: Relationship between Secretary of Defense McNamara and military over cost accounting; Lockheed C-5 aircraft contract controversy; lack of military compromise on wing, fuel or payload for C-5

Interviewer: Dr. James C. Hasdorff

Date of Interview: 24-25 March 1982

Interview Medium: Transcript - Paper

Pages: 237

Finding Aids: AFHRA 1309

Location: AFHRA

Hill, GEN James E.

Air Force

Subject: **Operations and Maintenance - Air Force**

Contents: B-58 shortcomings; maintenance contracts for aircraft and warning sites; logistical support problems

Biography: Wing Commander, Clark AB, Philippines; Deputy Assistant to Secretary of Defense (Atomic Energy); Commander, Third Air Force; Commander, Alaska Command; Commander, Eighth Air Force

Interviewer: Dr. James Hasdorff

Date of Interview: 4 May 1982

Interview Medium: Transcript - Paper

Pages: 142

Finding Aids: AFHRA 1324

Location: AFHRA

Hillyer, Robert

Navy

Naval Weapons Center (China Lake)

Subject: **Research and Development - Navy**

Contents: Discussion of NOTS-Naval Ordnance Lab-Corona merger; fuze department at NWC; gains and losses of the 1967 lab consolidation; remarks about the role of the Technical Director at NWC, appropriate and inappropriate areas of research for the lab; military-civilian relationships in the navy; comments on the contributions of the NWC to the navy

Biography: Technical Director, Naval Weapons Center, 1977-1982; Director of Navy Laboratories, 1982-1983; Technical Director of the Naval Ocean Systems Center, 1983-1990

Interview Coverage: 1960s-1982

Interviewer: Leroy L. Doig, III

Date of Interview: 14 May 1982; 27 May 1982

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 77

Location: NWC; DTRC; NHC

Hillyer, Robert

Navy **Navy - Navy Laboratories**

Subject: **Program Management - Navy**

Contents: Discussion of work as Director of Navy Laboratories (1982-1983); the establishment of Naval Material Command and its effect on the Navy's R&D community; discussion of funding issues, competition among laboratories for funds from Systems Commands (SYSCOMs); remarks about the quality of personnel at the Navy laboratories, potential for R&D community in the new, post-NAVMAT research structure

Biography: Technical Director, Naval Weapons Center, 1977-1982; Director of Navy Laboratories, 1982-1983; Technical Director of the Naval Ocean Systems Center, 1983-1990

Interview Coverage: 1982-1983

Interviewer: Dr. David K. Allison

Date of Interview: 13 August 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 21

Location: DTRC

Hillyer, Robert

Navy **Navy - Navy Laboratories**

Subject: **Acquisition - Navy**

Contents: Discussion of work as Director of Navy Laboratories (1982-1983), dis-establishment of Naval Material Command (NAVMAT) and the creation of Space and Naval Warfare Systems Command (SPAWAR); discussion of events that led to the administrative reorganization that placed R&D centers under the Chief of Naval Research and (later) under the control of SPAWAR; weakening of SPAWAR vis-à-vis Systems Commands (SYSCOMs); role of R&D centers with regard to WSA&E functions; discussion of SPAWAR funding problems

Biography: Technical Director, Naval Weapons Center, 1977-1982; Director of Navy Laboratories, 1982-1983; Technical Director of the Naval Ocean Systems Center, 1983-1990

Interview Coverage: 1982-1983

Interviewer: Dr. Joseph Marchese

Date of Interview: 20 February 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 20

Location: DTRC

Himes, Allen W.

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Discussion of the consolidation of the labs into the eight Naval Material Command (NAVMAT) R&D centers; headquarters administration of the labs; linkage of the labs to the acquisition process; organizational evolution of the Office of the Director of Navy Laboratories (DNL) from 1965-1983; comments on leadership styles of the six DNLs

Biography: Deputy Assistant to the Director of Navy Laboratories

Interview Coverage: 1965-1983

Interviewer: Dr. David K. Allison

Date of Interview: 10 August 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 36

Location: DTRC

Himes, Allen W.

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Remarks about the Bell Report, Project 97, and the Sherwin Plan; comments on the establishment of the Office of the Director of Naval Laboratories (DNL); comments about the first DNL - Dr. Gerald Johnson - and the Systems Commands (SYSCOMs) attitude toward DNL; discussion of Navy R&D cutbacks in the early 1970s; relations with Dr. Robert A. Frosch, former Assistant Secretary of the Navy (ASN) for R&D; personnel problems in the DNL office

Biography: Deputy Assistant to the Director of Navy Laboratories

Interview Coverage: 1960s-1970s

Interviewer: Albert B. Christman

Date of Interview: 14 April 1978

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 25

Location: DTRC

Hirsch, Brig. General Edward

OSD, Army **DSMC**

Subject: **Defense Acquisition Workforce – Education**

Contents: Acquisition versus procurement; DSMC; DSMC charter; DAU; details of acquisition workforce training and education; curricula; senior/executive courses (development and contemporary content); case-studies in acquisition education (examples and explanation); training senior managers to manage the inevitable frictions of defense program development.

Interview Coverage: 1940s – 2004

Interviewer: Carolyn C. Höfig

Date of Interview: 28 July 2004

Interview Medium: Transcript – Paper/Electronic

Access Information: Pending

Pages: 29

Location: DAHP

Hitch, Charles

Air Force RAND

Subject: **Research and Development - Air Force**

Contents: systems analysis; relations with USAF and CIA clients

Biography: RAND economist

Interview Coverage: 1930s-1960s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 9 February 1988

Length of Interview: 1.1 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 22

Location: NASM

Hogg, ADM James

Navy Navy - Space and Naval Warfare Systems Command

Subject: **Research and Development - Navy**

Contents: Discussion of the dis-establishment of NAVMAT and establishment of SPAWAR; comments about the development of top-level warfare requirements in SPAWAR; deliberation on the composition of SPAWAR into three subgroups; views on the relationship between SPAWAR and the Office of the Chief of Naval Operations' Director of Naval Warfare, OP-095; relations between SPAWAR and the naval Systems Commands (SYSCOMs); role of research and development center under SPAWAR

Interview Coverage: 1970s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 22 February 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 12

Location: DTRC

Hollings, Anthony J.

Navy Naval Research Laboratory (NRL)

Subject: **Program Management - Navy**

Contents: Discussion of career in the Royal Navy; observations about the research programs at the Naval Research Lab (NRL); the difference between American and British research methods; remarks about the management of NRL; comments about NRL,

Office of Naval Research (ONR) and NIF funding; description of major organizational and management changes at NRL between 1963 and 1980. This interview is supplemented by a collection of papers

Interview Coverage: 1963-1980

Interviewer: Dr. David K. Allison

Date of Interview: 4 January 1980; 8 January 1980

Length of Interview: 5 tapes

Interview Medium: Tape - Audio

Access Information: Open

Location: NRL

Hollingsworth, James E.

Hoover Commission I (1947-1949)

Subject: Hoover Commission I (1947-49)

Biography: Member, Hoover Commission, 1949

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 28

Location: Hoover Library

Hollister, Solomon C.

Subject: Hoover Commission II (1953-55)

Biography: Member, Hoover Commission II, 1953-1955

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: Hoover Library

Holloway, GEN Bruce K.

Air Force Air Force - STRICOM

Subject: Research and Development - Air Force

Contents: Skunk Works; Lincoln Laboratory; Lincoln Air Defense System versus Michigan Air Defense System; F-104 design; German problems with the F-104; F-111 and Secretary of Defense McNamara; Mace missile; improved Minuteman accuracy

Biography: Project Officer, Lincoln Laboratory; USAF Director of Requirements, 1959-1961; Chairman, Weapons Board; Commander, USAFE; CINCSAC

Interview Coverage: 1945-1972

Interviewer: LTC Vaughn H. Gallacher

Date of Interview: 16-18 August 1977

Interview Medium: Transcript - Paper

Pages: 427

Finding Aids: AFHRA 955

Location: AFHRA

Holmes, MG Arthur, Jr.

Army Army - Tank-Automotive Command

Subject: Test and Evaluation - Army

Biography: CG, TACOM

Date of Interview: 1987

Location: USAMC

Hooper, ADM Edwin B.

Navy Office of Naval Research

Subject: Research and Development - Navy

Contents: Interview includes ADM Hooper's opinions on management of Navy R&D since the end of World War II; discussion of Bureau of Ordnance management, inter-bureau relationships, future of Navy R&D; remarks about James Forrestal and Robert McNamara

Interview Coverage: 1940s-1970s

Interviewer: CAPT Robert L. Hansen, Dr. Peter Bruton, and Susan Frutkin

Date of Interview: 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 135

Location: NHC; DTRC

Horner, Mansfield H.

Air Force United Aircraft

Subject: Defense Industry

Contents: Jet engine development; helicopter development

Biography: President, United Aircraft

Interviewer: Kenneth Leish, Columbia University Aviation Project

Date of Interview: October 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 28

Finding Aids: AFHRA 146.34-51

Location: AFHRA

Howard, Jim

Navy Naval Air Development Center

Subject: Research and Development - Navy

Contents: Discussion of the use of aircraft in anti-submarine warfare; systems approach to sonobouy development from 1952 to the present; comments about the design of the P-3C aircraft, including the incorporation of computers and TACO, LOFAR, and DIFAR; comments about the present goals of the Naval Air Development Center (NADC), including the Advanced Signal Processor, Very High Speed Integrated Circuitry, changes in sonobouy research, and the Julie sonobouy

Interview Coverage: 1950s-1970s

Interviewer: Tom Misa and Ed Todd

Date of Interview: 9 June 1982

Length of Interview: 1 tape
Interview Medium: Tape - Audio
Access Information: Open
Location: NADC; DTRC

Howze, GEN Hamilton H.

Army **Army - Aviation and Missile Command**
Subject: **Aviation - Army**
Contents: Howze Board; Army aviation
Biography: Chairman, Tactical Mobility Requirements Board of 1961 (Howze Board)
Interviewer: Dr. Herbert LePore
Date of Interview: 5 December 1986
Interview Medium: Transcript - Paper
Access Information: Open; filed alpha in file cabinet, 870-5.4000 series
Pages: 5
Location: AABHO

Howze, GEN Hamilton H.

Army **Army - Aviation and Missile Command**
Subject: **Aviation - Army**
Contents: Army aviation
Biography: Chairman, Tactical Mobility Requirements Board of 1961 (Howze Board)
Interviewer: Dr. Burton Wright III
Date of Interview: 23 May 1991
Interview Medium: Transcript - Paper
Access Information: Open; filed alpha in file cabinet, 870-5.4000 series
Pages: 11
Location: AABHO

Hubbard, William

Navy **Navy Ordnance Laboratory**
Subject: **Research and Development**
Contents: Discussion of involvement with the Vietnam Laboratory Assistance Program (VLAP), 1966-1969; description of the features of VLAP in common with the Operations Evaluation Group during WWII; sources of VLAP funding and nature of research and tasking; interservice cooperation by VLAP and resistance to VLAP by Navy Systems Commands (SYSCOMs); general remarks about the role of science advisors to major field commanders, operations analysis and managing R&D efforts in a tactically effective manner
Interview Coverage: 1960s-1970s
Interviewer: Glenn E. Bugos
Date of Interview: 9 August 1985
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 30
Location: DTRC

Hudnell, MG W.T.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: Logistics in 1956; changing concept for logistics control; program for electronics requisitioning and rapid delivery by cargo aircraft; RED HEAD project, test to secure logistics data during rotation to United Kingdom; attachments to interview include: Logistics 1956 brochure; Program for Air Force logistics, report of the Mobilization Analysis Center; and Report on Phase I, Project RED HEAD (10 July - 1 September 1952)

Biography: Air Force planner; Commander, AMF, Pacific; Staff Officer, HQ USAF; Staff Officer, HQ AFLC; Wing Commander, first combat-ready jet fighter wing in Air Force

Interview Coverage: 1942-1978

Interviewer: Robert D. Laird, San Antonio Air Logistics Center History Office

Date of Interview: 25 October 1978

Interview Medium: Transcript - Paper

Pages: 22

Finding Aids: AFHRA 1227

Location: AFHRA

Hudson, LTG John B.

Air Force Air Force - Systems Command

Subject: Contracts - Air Force

Contents: Atlas project; AFSC; contracting services

Biography: Vice Commander, AFSC

Interviewer: Dr. James Hasdorff

Date of Interview: 15-16 January 1987

Interview Medium: Transcript - Paper

Pages: 170

Finding Aids: AFHRA 1737

Location: AFHRA

Huff, COL D.W.

Air Force Air Force - Aerospace Guidance/Meteorology

Subject: Contracts - Air Force

Contents: Comparison of AFLC and SAC; Pacer Scope (outsourcing of all major base support functions); detrimental effect of Pacer Scope on air depots; national inability to produce heavy castings

Biography: Commander, AGMC

Interviewer: George W. Bradley

Date of Interview: 20 August 1981

Interview Medium: Transcript - Paper

Pages: 78

Finding Aids: AFHRA 1326

Location: AFHRA

Humphreys, MAJ Edwin C. III

Air Force Air Force - Logistics Command

Subject: Program Management - Air Force

Contents: TCTO for F-15 aircraft at depot and organic levels; modifications to US aircraft overseas; modifications to F-15 A/B aircraft at Bitburg AB, FRG; F-15 modification team

Interviewer: Dr. Richard W. Iobst

Date of Interview: 20 February 1980

Interview Medium: Transcript - Paper

Pages: 72

Finding Aids: AFHRA 1247

Location: AFHRA

Hunt, William

Navy

Dr. Joseph Marchese

Subject: Research and Development - Navy

Contents: Discussion of career and background, selection as Director of Navy Laboratories (DNL); description of the initiatives he began to improve the communications and remove redundancy in the Navy R&D community; discussion of the balance of tech-base management vs. engineering development work; competition within and effectiveness of the Naval Material Establishment role of Navy officers in R&D; funding of R&D through the Naval Industrial Fund (NIF), and the effects of budget tightening; reflections on personnel policy; future of Navy R&D

Biography: Director of Navy Laboratories

Interview Coverage:

Interviewer: Dr. Joseph Marchese

Date of Interview: 25 March 1987

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 18

Location: DTRC

Hunter, Dr. Hugh

Navy

Naval Weapons Center (China Lake)

Subject: Research and Development - Navy

Contents: General comments on R&D and the Naval Ordnance Test Station (NOTS)/ Naval Weapons Center (NWC); remarks about working under Dr. William B. McLean, CAPT Hardy, and Dr. Haskell G. Wilson; comments on the selection of lab leadership, organizational changes, need to justify research at NOTS/NWC; comments on the transfer of NOTS research findings to the outside world; future of Navy R&D

Interviewer: Albert B. Christman

Date of Interview: 14 August 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 21

Location: NWC; DTRC

Iafrate, Dr. Gerald J.

Army Army - Materiel Command

Subject: Research and Development - Army

Biography: Director, Army Research Office

Date of Interview: 8 July 1997

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

Irvine, LTG Clarence S.

Air Force Air Force - Strategic Air Command

Subject: Research and Development - Air Force

Contents: Curtis E. LeMay; Thomas S. Power; George C. Kenney; Clements McMullen; Dayton Bomb Plot missions; B-36 development and deployment; B-47; F-84; B-52H engine problems

Interview Coverage: 1945-1959

Interviewer: Robert M. Kipp, Strategic Air Command History Office

Date of Interview: 17 December 1970

Interview Medium: Transcript - Paper

Pages: 43

Finding Aids: AFHRA 734

Location: AFHRA

Jaenke, Dr. Martin G.

Air Force Air Force - Guidance Test Directorate

Subject: Research and Development - Air Force

Contents: Radio compass; VOR radio beacons; radio telephone; Rascal missile evaluation; analog computers; ballistic missile guidance systems; Dr. Steinhoff; guidance test symposia, Holloman AFB, 1964-1974; Central Inertial Test Facility, Holloman AFB

Biography: AEG (FRG); Lorenz AG (ITT subsidiary); Chief, Projects Analysis Branch, Holloman AFB, NM; Secretary, Vice President and Member, Board of Trustees, New Mexico Research Institute, Alamogordo, NM; Technical Director, Guidance Test Directorate, Holloman AFB

Interviewer: Dr. James C. Hasdorff

Date of Interview: 26 September 1985

Interview Medium: Transcript - Paper

Pages: 26

Finding Aids: AFHRA 1677

Location: AFHRA

Jagiello, Leonard T.

Navy Naval Weapons Center (China Lake)

Subject: Program Management - Navy

Contents: Discussion of the early days of the R&D activity at China Lake; origins of various programs at the Naval Weapons Center (NWC); discussion of Sidewinder program, including the competition with Hughes (Falcon) and Raytheon (Sparrow); information about the Shrike (ARM), Moray, and NOTSNIK; comments about

military-civilian relationships, NWC-Headquarters relationships, and
in-house vs. industry

Interview Coverage: 1950s-1970s

Interviewer: Leroy L. Doig, III

Date of Interview: 15 January 1988

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 71

Location: NWC

James, Richard

Navy Naval Air Development Center

Subject: **Research and Development - Navy**

Contents: Discussion of personal background; organization and history of the Light Airborne Multipurpose System (LAMPS) project from 1968 to the present; LAMPS discussion includes remarks about LAMPS as an air and ship-board project, importance of documentation in the program; relations between the Naval Air Development Center (NADC) and NAVAIR on LAMPS; mention of IBM's role in the LAMPS project

Interview Coverage: 1968-1981

Interviewer: Tom Misa and Ed Todd

Date of Interview: 19 July 1982

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Access Information: Open

Location: NADC; DTRC

Janik, Richard W.

Army Army - Operations Support Command

Subject: **Logistics - Army**

Contents: Transition to Industrial Operations Command; mobilization versus replenishment; new trends in technology

Biography: Deputy Chief of Staff for Industrial Readiness, Industrial Operations Command (IOC)

Interview Coverage: 1990s

Interviewer: Thomas J. Slattery

Date of Interview: 27 August 1997

Interview Medium: Transcript - Paper

Access Information: Open - printed and distributed

Pages: 24

Location: USAOSC

Jarrett, Paul A.

Air Force Air Force - Logistics Command

Subject: **Contracts - Air Force**

Contents: FMS logistics support; Peace Sun; Saudi Arabian procurement of F-15 aircraft; Peace Fox.

Interviewer: Dr. Richard W. Iobst

Date of Interview: 28 February 1980
Interview Medium: Transcript - Paper
Pages: 16
Finding Aids: AFHRA 1244
Location: AFHRA

Jarrett, Paul A.

Air Force **Air Force - Logistics Command**
Subject: **Contracts - Air Force**
Contents: Contractual support of F-15 aircraft; Peace Sun; F-15 FMS to Saudi Arabia; aircraft logistics support problems.
Interviewer: Dr. Richard W. Iobst
Date of Interview: 24 September 1980
Interview Medium: Transcript - Paper
Pages: 19
Finding Aids: AFHRA 1254
Location: AFHRA

Jennison, James H.

Navy **Naval Ordnance Test Station (NOTS)**
Subject: **Program Management - Navy**
Contents: Discussion of recruitment of scientists for the Navy's West Coast labs -- specifically the role of the Board of Scientists and the Civil Service Commission and competition with private industry; comments about the bureaucracy involved in running a lab; comments about the procedures involved in procuring supplies and awarding contracts because of government regulations; work at the Pasadena annex of NOTS; Pasadena annex incorporation into the Naval Undersea Center (NUC) in San Diego; remarks about the advantages of small labs over larger facilities like NOTS
Biography: Staff, Naval Ordnance Test Station (NOTS)
Interview Coverage: 1950s-1960s
Interviewer: Albert B. Christman
Date of Interview: 15 March 1978
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 17
Location: NHC; DTRC

Jennison, James H.

Navy **Naval Ordnance Test Station (NOTS)**
Subject: **Research and Development - Navy**
Contents: Discussion of professional background; work on the Mk 13 torpedo; changes at the NOTS-Pasadena laboratory when the Navy took it over; discussion of work with the Variable Angle Launcher and the benefits of working with the NOTS-China Lake team
Biography: Staff, Naval Ordnance Test Station (NOTS)
Interview Coverage: 1940s-1950s

Interviewer: J.D. Gerrard-Gough
Date of Interview: 25 October 1975
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 27
Location: NWC; DTRC

Johnson, BG Kenneth R.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: Aircraft maintenance, late 1960s; Air Force Logistics Division; aeronautical and armament programs; AFSC acquisition and logistics

Biography: F-15 program director; Commander, AEDC

Interviewer: Hugh N. Ahmann

Date of Interview: September 1988

Length of Interview: 7:30 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1842

Location: AFHRA

Johnson, Dr. Robert V.

Navy Navy - Space and Naval Warfare Systems Command

Subject: Program Management - Navy

Contents: Discussion of the dis-establishment of Naval Material Command (NAVMAT) and the establishment of Space and Warfare Systems Command (SPAWAR); discussion of the reasons for establishing SPAWAR; reaction of the Naval Air Systems Command (NAVAIR) to the establishment of SPAWAR; problems in overall coherence of top-level warfare requirements; perceptions of discrepancies between SPAWAR's theoretical functions and actual operations; comments about relationship between SPAWAR 30 (WSA&E Directorate) and NAVAIR. Comparison of horizontal and vertical management; force-pervasive versus platform-specific programs; transfer of program from SPAWAR; remarks about the relationship among SPAWAR, NAVAIR, and the Naval Sea Systems Command; comments about the problems associated with WSA&E

Interview Coverage: 1970s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 1 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 25

Location: DTRC

Jones, GEN David C.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: B-70/RS-70 program; advanced manned strategic bombers; Communications Command; Air Force Acquisitions Logistics Division; A-10; F-14; F-15; F-16; MX; Stealth aircraft
Biography: SAC planner and aide to GEN LeMay; TAC fighter wing commander; staff officer, USAFE; Commander, Second Air Force, 1969-1971; CINCUSAFE, 1971-1974; Chief of Staff, USAF, 1974-1978, Chairman, JCS, 1978-1982
Interviewer: LTC Maurice Marynow, USAF, and Dr. Richard H. Kohn, USAF
Date of Interview: August-October 1985 and January-March 1986
Interview Medium: Transcript - Paper
Access Information: Pending
Pages: 301
Finding Aids: AFHRA 1664
Location: AFHRA

Jones, GEN David C.

Air Force

Subject: **Logistics - Air Force**
Contents: SEA operational requirement program; product testing in combat environment
Biography: SAC planner and aide to GEN LeMay; TAC fighter wing commander; staff officer, USAFE; Commander, Second Air Force, 1969-1971; CINCUSAFE, 1971-1974; Chief of Staff, USAF, 1974-1978, Chairman, JCS, 1978-1982
Interviewer: MAJ Samuel Riddlebarger, USAF
Date of Interview: 4 November 1989
Interview Medium: Transcript - Paper
Access Information: CONFIDENTIAL/NOFORN
Pages: 157
Finding Aids: AFHRA 230
Location: AFHRA

Jones, MG David M.

Air Force

Subject: **Test and Evaluation - Air Force**
Contents: B-58; Skybolt missile; McNamara's views on Dyna-Soar; AMC-ARDC realignment; Air Force Eastern Test Range; relationship between developer and tester; C-5
Interviewer: Dr. James C. Hasdorff
Date of Interview: 13-14 January 1987
Interview Medium: Transcript - Paper
Pages: 140
Finding Aids: AFHRA 1736
Location: AFHRA

Jordan, MG Larry R.

Army Army - Training and Doctrine Command

Subject: **Test and Evaluation - Army**
Contents: End-of-tour interview; discussion of army transformation issues;

doctrinal and fielding issues related to armor

Biography: Chief of Armor, 1993-1995

Interview Coverage: 1993-1995

Interview Medium: Transcript - Paper

Access Information: Open

Location: Army Armor Center - Ft. Knox

Josephson, ADM Joseph

Navy **Navy - Space and Naval Warfare Systems Command**

Subject: **Program Management - Navy**

Contents: Discussion of the dis-establishment of Naval Material Command (NAVMAT) and the establishment of Space and Warfare Systems Command (SPAWAR); discussion of military career and work as OP-951, Director of ASW Division; work as PM-4, Director of ASW Project Office; discussion of the evolution of PM-4 into three functions, role of PmM-4 as budget controller and project overseer; description of SPAWARs ASW activities; dis-establishment of PM-4 under ADM White, with discussion of reasons for reorganization; comments about the differences between PM-4 and WSA&E function in SPAWAR; remarks about the weaknesses of the WSA&E concept

Biography: OP-951, Director of ASW Division, SPAWAR; PM-4, Director of ASW Project Office

Interview Coverage: 1970s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 20 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 17

Location: DTRC

Joyner, Earvin L.

Air Force **Air Force - Warner Robins AMA, GA**

Subject: **Logistics - Air Force**

Contents: GEN W.T. Hefley's program of management analysis; closure of air materiel areas/depots; programmed depot maintenance concept; impact of technology repair center concept on Warner Robins workload; F-15 aircraft maintenance repair and system management; impact of high technology on Warner Robins Air Logistics Center; Center's operations to year 2000

Biography: Analytical statistician; operations research analyst, Warner Robins Air Materiel Area, 1956

Interview Coverage:

Interviewer: Dr. Richard W. Iobst, Warner Robins Air Logistics Center History

Date of Interview: 20 December 1983

Interview Medium: Transcript - Paper

Pages: 35

Finding Aids: AFHRA 1614

Location: AFHRA

Kalaf, George

Navy **Naval Ordnance Laboratory (NOL)**

Subject: **Research and Development - Navy**

Contents: Remarks about the Mk 48 torpedo project; discussion of background and work at the Naval Ordnance Laboratory (NOL) during three decades; account of the early development of the Mk 48 torpedo; involvement of Clevite; swashplate engine; decision to bring in the NSWC as a technical director; detailed description of the "war shots" of 1971, 1974 and 1975 of the Mk 48 and improvements to the torpedo that came about as a result of the tests; comments on trends in engineering development, especially mine warfare since the 1940s

Biography: Staff, Naval Ordnance Laboratory

Interview Coverage: 1950s-1989

Interviewer: Dr. Joseph Marchese

Date of Interview: 13 July 1989

Length of Interview: 2 tapes

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Karegeannes, BG Harry G.

Army **Army - Communications Electronics Command**

Subject: **Procurement - Army**

Contents: Experience as DCG for Procurement and readiness at CECOM, MSE, NDI, PEO concept

Interviewer: Bingham, Strong

Date of Interview: October 1986

Interview Medium: Transcript - Paper

Access Information: File open to all

Pages: 22

Location: USAMC

Kartveli, Alexander

Air Force

Subject: **Research and Development - Air Force**

Contents: F-84; F-91; F-105.

Interviewer: Kenneth Leish, Columbia University Aviation Project

Date of Interview: May 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 43

Finding Aids: AFHRA 146.34-60

Location: AFHRA

Katz, Amrom

Air Force **RAND**

Subject: **Research and Development - Air Force**
Contents: Career at RAND; work on Side-Loading Aircraft Radar (SLAR) system; evolution of Development Planning Objective (DPO) into Beacon Hill Committee
Biography: RAND physicist
Interview Coverage: 1940s-1960s
Interviewer: Martin Collins and Joseph Tartarewicz
Date of Interview: 24 July 1986
Length of Interview: 4 hours
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 71
Location: NASM

Keck, LTG James M.

Air Force **Air Force - Strategic Air Command**
Subject: **Program Management - Air Force**
Contents: SR-71; FB-111; B-52; B-1 cancellation
Biography: Vice Commander, SAC
Interviewer: LTC Ronnie D. Mitchell, USAF, Air War College, for USAF Oral
Date of Interview: 15-16, 19 December 1983
Interview Medium: Transcript - Paper
Pages: 199
Finding Aids: AFHRA 1564
Location: AFHRA

Keith, GEN Donald R.

Army **Army - Materiel Command**
Subject: **Acquisition - Army**
Contents: AMC command management; technical services; project management; testing; RESHAPE; acquisition; field supply system
Interviewer: Marken Birdsell
Date of Interview: December 1984
Interview Medium: Transcript - Paper
Access Information: File open to bona fide researchers and scholars.
Pages: 24
Location: USAMC

Keltz, A. Robert

Army **Army - Materiel Command**
Subject: **Logistics - Army**
Biography: Principal Deputy, Logistics
Date of Interview: 25 February 1997
Interview Medium: Transcript - Paper
Access Information: published interview
Location: USAMC

Keltz, Robert

Army **U.S. Army Materiel Command**

Subject: **Logistics - Army**

Biography: Principal Deputy of Logistics, U.S. Army Materiel Command, July 1992 - March 1997

Interviewer: Historical Office, U.S. Army Materiel Command

Title: "Logistics Oral History Interview with Robert Keltz: Principal Deputy of Logistics, U.S. Army Materiel Command, July 1992-March 1997."
Imprint.

Pages: 22

Place of Publication: Alexandria, VA

Publisher: Historical Office, U.S. Army Materiel Command

Date of Publication: 1997

Finding Aids: USGPO Gov Docs 101.2: OR 1/2

Kennedy, BG Robert W.

Air Force **Air Force - Logistics Command**

Subject: **Logistics - Air Force**

Contents: Development of logistics management systems action plan

Interviewer: Robert J. Smith

Date of Interview: 30 March 1979

Interview Medium: Transcript - Paper

Pages: 54

Finding Aids: AFHRA 1536

Location: AFHRA

Kennedy, BG Thomas W.

Air Force **Air Force - Military Airlift Command**

Subject: **Logistics - Air Force**

Contents: Development and criticism of C-5; AFLC support; impact of C-5
MAC routes and channel structures

Biography: Commander, 437th Military Airlift Wing

Interview Coverage: 1967-1972

Interviewer: Walter L. Kraus

Date of Interview: 2 March 1972

Interview Medium: Transcript - Paper

Pages: 36

Finding Aids: AFHRA 586

Location: AFHRA

Kennedy, William L.

Air Force

Subject: **Research and Development - Air Force**

Contents: Air Force special weapons program

Interview Coverage: 1945-1961

Interviewer: Office of Air Force History

Date of Interview: 14 September 1961

Interview Medium: Transcript - Paper

Pages: 7

Finding Aids: AFHRA 794

Location: AFHRA

Kent, LTG G.A.

Air Force

Subject: **Research and Development - Air Force**

Contents: Atomic weapons; nuclear weapons; plans and programs; research and development; concept formulations; studies and analysis; WSEG activities

Interviewer: CPT Mark C. Cleary

Date of Interview: 9 February 1982

Interview Medium: Transcript - Paper

Pages: 127

Finding Aids: AFHRA 1305

Location: AFHRA

Kidd, MG John B.

Air Force Air Force - Special Weapons Center

Subject: **Research and Development - Air Force**

Interviewer: Dr. James C. Hasdorff

Date of Interview: 16-17 August 1988

Length of Interview: 7 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1830

Location: AFHRA

Killian, James R., Jr.

President's Science Advisory Committee

Subject: **Research and Development**

Finding Aids: OH 216

Location: Eisenhower Library

King, BG Benjamin H.

Air Force Advanced Research Projects Agency

Subject: **Research and Development - Air Force**

Contents: Mission and operations of ARPA field unit, Thailand, during Vietnam War

Interview Coverage: 1961-1964

Interviewer: LTC V. Castellina, USAF, and MAJ Samuel E. Riddlebarger,

Date of Interview: 4 September 1969

Interview Medium: Transcript - Paper

Access Information: CONFIDENTIAL/NOFORN

Pages: 143

Finding Aids: AFHRA 219

Location: AFHRA

King, Scott

Air Force RAND

Subject: **Research and Development - Air Force**

Contents: Relations between RAND and the Air Force; contracting with agencies other than USAF; RAND contract with Office of Secretary of Defense; Systems Development Corporation (SDC)
Biography: Douglas Aircraft contracts administrator; RAND contracts officer
Interview Coverage: 1940s-1960s
Interviewer: Martin Collins and Joseph Tartarewicz
Date of Interview: 22 July 1987
Length of Interview: 2.25 hours
Interview Medium: Transcript - Paper
Access Information: use restrictions not established
Pages: 40
Location: NASM

Kistiakowsky, George

President's Science Advisory Committee

Subject: **Research and Development**

Biography: Member, Chairman, 1959-1961, of the Science Advisory Committee; Special Assistant to the President for Science and Technology

Interview Coverage: 1953-1961

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 39

Finding Aids: OH 412

Location: Eisenhower Library

Kistler, Dr. Richard E.

Navy **Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of R&D trends at the Naval Weapons Center (NWC); Center-headquarters relationships; Civil Service Act Personnel Demonstration Project; NWC management philosophies

Interviewer: Leroy L. Doig, III

Date of Interview: 23 February 1982

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 36

Location: NWC; NHC; DTRC

Kleager, COL Jerald E.

Army **Army - Operations Support Command**

Subject: **Logistics - Army**

Contents: Transition to Industrial Operations Command; changing technology trends; challenges facing ammunition arena; Industrial Operations Command infrastructure

Biography: Executive Director for Munitions, Industrial Operations Command (IOC)

Interview Coverage: 1996

Interviewer: Thomas J. Slattery

Date of Interview: 14 February 1997
Interview Medium: Transcript - Paper
Access Information: Open - printed and distributed
Pages: 28
Location: USAOSC

Klein, Burt

Air Force **RAND**
Subject: **Research and Development - Air Force**
Contents: Relations between RAND and USAF; systems analysis; research project examining USAF R&D; Lockheed U-2; B-70 proposal
Biography: RAND economist
Interview Coverage: 1940s-1960s
Interviewer: Joseph Tartarewicz
Date of Interview: 12 August 1988
Length of Interview: 2 hours
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 33
Location: NASM

Knemeyer, Franklin H.

Navy **Naval Weapons Center (China Lake)**
Subject: **Research and Development - Navy**
Contents: Discussion of ADM Freeman's tour at the Naval Weapons Center (NWC); comments about selling products to the Navy; policy and process of weapons development; comments on technical projects including Agile, BW/CW weapons, Bigeye, Polaris, Diamondback, underwater vehicles; changes in funding RDT&E; purpose of Weapons Planning Group; management relations; capabilities and future of NWC
Interview Coverage: 1960s-1970s
Interviewer: Leroy L. Doig, III
Date of Interview: 3 June 1981
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 29
Location: NWC

Knemeyer, Franklin H.

Navy **Naval Ordnance Test Station (NOTS)**
Subject: **Research and Development - Navy**
Contents: Discussion of career, management philosophy, billets, facilities, finances; brief discussion of technical programs, including Agile, Condor, Bulldog, Polaris; military-civilian and NOTS-headquarters relationships; NWC's role
Interview Coverage: 1950s-1981
Interviewer: Andrew Kilikauskas
Date of Interview: 20 February 1981

Interview Medium: tapes and transcript

Access Information: Open

Location: NWC

Knight, LTG James A., Jr.

Air Force **Air Force - Tactical Air Command**

Subject: **Test and Evaluation - Air Force**

Contents: Tactical Fighter Weapons Center; F-80; F-84; T-6; F-100; T-33; F-4; AC-130; F-15; aircraft technology; flight testing

Biography: Director of Operations, Tactical Air Command; Commander, Tactical Fighter Weapons Center, Nellis AFB, NV; Vice Commander, Tactical Air Command

Interviewer: COL James C. Posgate, USAF, Air War College, for USAF Oral

Date of Interview: 30 November - 1 December 1983

Interview Medium: Transcript - Paper

Pages: 260

Finding Aids: AFHRA 1561

Location: AFHRA

Knowpow, Joseph J.

Air Force **Air Force - Ballistic Missile Division**

Subject: **Research and Development - Air Force**

Contents: Infrared systems; air-to-air systems; submarine detection systems; Killian Report; time pressures in system development after DoD approval; roles of Eastman Kodak and General Mills in Midas Program; NORAD and SAC interest in using Midas as warning system; compares BMEWS with infrared satellite program; close relationship between Ballistic Missile Division and Lockheed; influence of GEN Bernard A. Schriever on early programs; politics involved in space programs; attitudes of successive administrations toward space programs; early satellite testing successes and failures; Ken Horn Report; Lloyd Mundie Report; competition between Lockheed and TRW for Midas Replacement Program; Sun Glint Program

Interviewer: Dr. Herbert M. Zolot, Air Force Space Command History Office

Date of Interview: 19 September 1985

Interview Medium: Transcript - Paper

Pages: 13

Finding Aids: AFHRA 1705

Location: AFHRA

Koesey, Calvin

Navy **Naval Underwater Systems Center**

Subject: **Research and Development - Navy**

Contents: Reflections on work at the Naval Underwater Systems Center (NUSC) during the Vietnam War; remarks about mine work, harbor defense, and problems of coastal navies; discussion of laboratory representatives in Vietnam and the Navy's role in Korea

Biography: Staff, Naval Underwater Systems Center (NUSC)

Interview Coverage: 1960s-1978

Interviewer: Albert B. Christman
Date of Interview: 1978
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 13
Location: DTRC

Kopak, Herman W.

Air Force **Air Force - Logistics Command**
Subject: **Logistics - Air Force**
Contents: Logistical problem areas in Vietnam; Red Horse open storage;
 ineffective AFLC effort to reduce supply backlog
Biography: Logistics specialist, Ogden Air Materiel Area
Interview Coverage: 1945-1969
Date of Interview: 31 July 1970
Interview Medium: Transcript - Paper
Access Information: Corona Harvest; CONFIDENTIAL
Pages: 15
Finding Aids: AFHRA 311
Location: AFHRA

Kresa, Kent

Air Force **Northrup Grumman**
Subject: **Defense Industry**
Interviewer: Greg Schneider
Interview Medium: Transcript - Paper
Editor: Jacob Neufeld

Krutter, Dr. Harry

Navy **Naval Air Development Center**
Subject: **Research and Development - Navy**
Contents: Discussion of academic background, early career at a Naval
 Research Laboratory field station; comments on the creation of the
 Anti-Submarine Warfare (ASW) Laboratory in 1958; remarks
 about BUAERs relationship with NADC; appointment as chief
 scientist of NADC in 1956; discussion of center reorganizations, the
 systems approach, and Navy lab reorganizations between
 1965-1968; mention of the Phoenix Missile System, predecessor
 system (Eagle Missile), and hybrid digital-analog computer
 (Typhoon)
Biography: Technical Director, Naval Air Development Center (NADC),
 1956-1972
Interview Coverage: 1940s-1970s
Interviewer: Tom Misa and Ed Todd
Date of Interview: 28 June 1982
Length of Interview: 2 tapes; 3 page index
Interview Medium: Tape - Audio
Access Information: Open
Location: NADC

Krutter, Dr. Harry

Navy **Naval Air Development Center**

Subject: **Research and Development - Navy**

Contents: Reflections on career; work at MIT and arrival at the Naval Air Development Center in 1949; comments on his time as Technical Director of NADC, 1956-1972; remarks about the direction of Navy R&D; discussion of the Navy reorganization of 1965-1966, cooperation between Navy labs, reasons for retiring from NADC; comments about the role of the Director of Navy Laboratories and Chief of Naval Material in running labs; major accomplishments of NADC

Biography: Technical Director, Naval Air Development Center (NADC), 1956-1972

Interview Coverage: 1940s-1970s

Interviewer: Albert B. Christman

Date of Interview: April 1978

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 23

Location: DTRC; NADC

Kucheman, MG Henry B., Jr.

Air Force **Air Force - Armament Development and Test**

Subject: **Test and Evaluation - Air Force**

Biography: Commander, Armament Development and Test Center, Eglin AFB, FL

Date of Interview: 14 May 1975

Length of Interview: 2 hours

Interview Medium: Tape - Audio

Finding Aids: AFHRA 1742

Location: AFHRA

Kucheman, MG Henry B., Jr.

Air Force **Air Force - Armament Development and Test**

Subject: **Test and Evaluation - Air Force**

Contents: Armament Center; Armament Lab; nuclear weapons; conventional armament; operational/engineering testing; transistor; programs at Eglin AFB, FL; contracting out to industry; mission of Air Proving Ground Center; A-10 aircraft; reorganization of Air Proving Ground Center; separation of Ballistic Missile Program from Space Program; formation of Comsat Corporation; Titan IIIC; communications satellites; gravity gradient experiment; ICAF; unmanned systems; nonnuclear armament study; source selection activities; Air Force-Army conflict; laser-guided bombs; AMRAAM Program; reinventing different warheads; PGM advances; all-weather capability; POM-102 drone; hard-structure munitions; fuel-air explosives; conformal carriage and bluff bombs; ideal program manager for armament; direction of labs; R&D efforts; relationship between developer and tester

Interviewer: Dr. James C. Hasdorff
Date of Interview: 8-9 December 1986
Interview Medium: Transcript - Paper
Pages: 205
Finding Aids: AFHRA 1734
Location: AFHRA

Kuerschner, Helmut A.

Air Force **Defense Technology Laboratories**
Subject: **Research and Development - Air Force**
Contents: Planning and development of digital and analog computer systems and flight simulation systems at Holloman AFB, NM, in 1950s; "two-body separation" project involving separation problems between aircraft and bombs/missiles; space mission survivability; nuclear weapons effectiveness; SDI; Project Paperclip
Biography: Aerophysics Development Corporation; Aerojet General Corporation; Defense Technology Laboratories

Interviewer: Dr. James C. Hasdorff
Date of Interview: 15 April 1985
Interview Medium: Transcript - Paper
Pages: 73
Finding Aids: AFHRA 1648
Location: AFHRA

LaBerge, Dr. Walter B.

Navy **Naval Weapons Center (China Lake)**
Subject: **Research and Development - Navy**
Contents: Description of the development of the Sidewinder missile; technical innovations and management philosophy of Dr. William B. McLean; mention of key members of the Sidewinder team; process of "selling" Sidewinder to the Navy; brief discussion of the Agile missile, including mention of players and politics
Biography: Naval Ordnance Test Station (NOTS) Technical Director; Assistant Secretary of the Air Force for Research and Development

Interview Coverage: 1960s-1980s
Interviewer: Elizabeth Babcock
Date of Interview: 31 August 1989
Interview Medium: Transcript - Paper
Access Information: Open
Location: NWC

Lahr, CAPT John Jude

Navy **Naval Weapons Center (China Lake)**
Subject: **Acquisition - Navy**
Contents: Review of tour at the Naval Weapons Center (NWC); discussion of civilian-military interplay at NWC; role of NWC and other Navy labs in national defense; comments on the contribution of NWC to the Fleet; remarks about Skipper, Shrike, ACIMD, HARM, and Sidewinder programs; problems with politics in the acquisition process (Shrike, Sidewinder, and HARM are used as examples);

lengthy comments about base management issues and relations
with surrounding community

Biography: Commander, Naval Weapons Center

Interviewer: Leroy L. Doig, III

Date of Interview: 10 June 1983; 14 June 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 66

Location: NWC

Land, ADM Emory S.

Navy **Navy - Bureau of Ships**

Subject: **Procurement - Navy**

Contents: Discussion of career; work in the Bureau of Ships and Bureau of Aeronautics; Harry Guggenheim and air research; service as Chief of the Bureau of Ships; shipbuilding for the National Defense Agency

Biography: Chief of the Bureau of Ships

Interviewer: unknown

Date of Interview: 1963

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 227

Location: COL; NHC

Langenbach, Earl H.

Navy **Naval Ordnance Laboratory (NOL)**

Subject: **Research and Development - Navy**

Contents: Discussion of work at the Naval Gun Factory and the Navy Yard during WWII and after; comparison of bureaucracy in R&D during and after WWII; discussion of problems involved in contracting defense research out; comments about government regulations created for labs by non-R&D oriented people; consolidation of Navy lab system

Interview Coverage: 1940s-1960s

Interviewer: Albert B. Christman

Date of Interview: 13 March 1978

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 16

Location: DTRC

Langston, CDR Marvin

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Acquisition - Navy**

Contents: Discussion of dis-establishment of NAVMAT and establishment of SPAWAR; description of major sections of NAVSEA, work on systems integration issues aboard U.S.S. Arleigh Burke (DDG-51); description of establishment of small systems engineering project office under ADM Meyer in SPA-06; interaction with Harold

Kitson on Navy Tactical Data System (NTDS) project (later referred to as the Advanced Combat Direction System, or ACDS); comments on AEGIS system; discussion of changes in NAVSEA that precipitated his move to SPAWAR; details on the organization of SPAWAR 30 (the WSA&E Directorate); discussion of efforts to market the WSA&E concept; remarks about the burdens placed on R&D centers in support of WSA&E

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 2 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 40

Location: DTRC

Lashbrook, Dr. Lawrence

Air Force Air Force - 836th Air Division

Subject: **Test and Evaluation - Air Force**

Contents: Operational training development team for ground-launched cruise missiles; cruise-missile training programs at Davis-Monthan AFB, AZ; Ready Merlin Exercise.

Interviewer: Donna Clark, 836th Air Division History Office

Date of Interview: 18 July 1984

Interview Medium: Transcript - Paper

Pages: 9

Finding Aids: AFHRA 1681

Location: AFHRA

Latham, Dr. Donald

Navy Navy - Space and Naval Warfare Systems

Subject: **Research and Development - Navy**

Contents: Discussion of dis-establishment of NAVMAT and establishment of SPAWAR; overview of command, control, communications, and intelligence (C3I) effort in SPAWAR; problems associated with C3I programs in SPAWAR; comments about perceived opposition to a stronger WSA&E, as well as resistance within the Navy to a central WSA&E authority; description of the relationship between SPAWAR and himself as Assistant Secretary of Defense for C3I; brief comments on the MILSTAR communications satellite

Biography: Assistant Secretary of Defense for C3I; Assistant Secretary of Defense; Member, Defense Science Board

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 2 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 17

Location: DTRC

Lavelle, John D.

Air Force **Air Force - Seventh Air Force**

Subject: **Program Management - Air Force**

Contents: Robert S. McNamara; Symington; Far East Air Materiel Command (FEAMCOM); FEAMCOM and Korean War; F-86D; transfer of Air Defense Command to Military Air Transport Service; French Mirage aircraft; T-38 acquisition; F-4E acquisition; infrared missile problem in Vietnam; DCPG; Project NINE sensor program; LORAN-equipped F-4s to Vietnam; LORAN problems; C-5; grounding of B-52s; IG reporting on Vietnam; Senator Barry Goldwater; Statement to Senator Stennis, Chairman, Senate Armed Services Committee, attached to interview

Biography: Deputy Director of Requirements, HQ USAF; Director of Programs and Chairman, Air Staff Board, HQ USAF; Commander, 17th Air Force; Deputy Director of Forces, Defense Communications Planning Group; Vice Chief of Staff, Pacific Air Forces; Commander, Seventh Air Force

Interview Coverage: 1945-1972

Interviewer: LTC John N. Dick

Date of Interview: 17-24 April 1978

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee's wife or daughter to quote

Pages: 707

Finding Aids: AFHRA 1036

Location: AFHRA

Law, Howard

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Description of education, military experience in the Navy Bureau of Ordnance (BUORD); work at the Naval Weapons Center (NWC) and the Naval Ordnance Plant in Georgia; employment with BUWEPS in Washington DC, in 1965; comments on the difference between BUWEPS laboratory management and the early days of the DNL organization; discussion of work in 6.5 funding, management styles and changes, and consolidations of NSRDC, NOSC, NSWC, and NUSC; comments about the role of the Facilities Division, the FCRCs, program reviews, Corporate Planning, the VLAP and NSAP programs, SHORESTAMPS, and the need for laboratories to work harder at developing leaders

Interview Coverage: 1950s-1970s

Interviewer: Dr. David K. Allison

Date of Interview: 12 August 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 41

Location: DTRC

Law, Howard

Navy

Navy - Navy Laboratories

Subject: Research and Development - Navy

Contents: Interview conducted as research for a short history of the Office of the Director of Navy Laboratories (DNL); discussion of the creation of Naval Material Command (NAVMAT); organization of the Office of the DNL; review of office reorganization between 1966 and 1978; dis-establishment of NAVMAT in 1985, subsequent assignment of DNL to OCNR and, later, to SPAWAR; assessment of the role, functions, and contributions of the DNL to the Navy R&D effort

Interview Coverage: 1950s-1985

Interviewer: Dr. Joseph Marchese and Dr. Timothy Willard

Date of Interview: 3 May 1988

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 24

Location: DTRC

Law, Howard

Navy

Navy - Navy Laboratories

Subject: Research and Development - Navy

Contents: Interview conducted to gather information about the dis-establishment of NAVMAT and the establishment of SPAWAR; discussion of the placement of Navy R&D centers and the Office of the Director of Navy Laboratories (DNL) within the Office of the Chief of Naval Research (CNR); assessment of the strengths and weaknesses of the CNR organization; comments on Dr. James Colvard's "Haul-Down" report; description of the transfer of R&D centers to SPAWAR; comments about the permanence of the DNL organization in the Navy R&D establishment

Interview Coverage: 1970s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 22 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 25

Location: DTRC

Lawley, COL William R., Jr.

Air Force

Air Force - Air Research and Development

Subject: Research and Development - Air Force

Contents: Air Research and Development Command; beginnings of Air Force Systems Command

Biography: Air Attaché to Brazil, Philippines

Interview Coverage: 1945-1971

Interviewer: Dr. James C. Hasdorff, USAF Oral Histories Division

Date of Interview: 5 October 1971

Interview Medium: Transcript - Paper

Pages: 32

Finding Aids: AFHRA 487

Location: AFHRA

Lawson, Dr. Joel

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Comments on career and role at Special Assistant for Electronics; remarks about Robert A. Frosch as ASN (R&D); discussion of work as Director of Navy Laboratories (DNL); views on the DNL/DLP charter, block funding, management objectives; discussion of competition between labs and bringing COs and TDs together; description of the labs and resources; effects of Navy lab consolidations; discussion of lab budgeting, contracting, and relationship between DNL and Chief of Naval Operations (NCO); comments on the effects of the SYSCOMs losing control of the labs; discussion of project REFLEX

Biography: Director of Navy Laboratories; Special Assistant for Electronics, Office of the Assistant Secretary of the Navy for R&D

Interviewer: Dr. Samuel Rothman and Mrs. Susan Frutkin

Date of Interview: 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 64

Location: DTRC; NHC

Lawton, COL Thomas O., Jr.

Air Force **Air Force - Aerospace Guidance/Meteorology**

Subject: **ICBM development**

Contents: Industrial contractors; inertial guidance systems for Atlas, Titan and Minuteman; James Chatfield; Clarence B. Knight; Wally Horton; Fritz Guenther

Biography: Director, Heath Maintenance Annex, Newark AFS, OH
(foundation for Aerospace Guidance and Meteorology Center)

Interviewer: George W. Bradley

Date of Interview: 21 October 1981

Interview Medium: Transcript - Paper

Pages: 63

Finding Aids: AFHRA 1548

Location: AFHRA

Leaf, Howard W.

Air Force **Air Force - Office of Test and Evaluation**

Subject: **Test and Evaluation - Air Force**

Biography: Commander, Air Force Test and Evaluation Center, October 1976
- June 1980

Interviewer: Lawrence R. Benson

Date of Interview: 8, 10 September 1992

Place of Interview: Pentagon, Washington DC

Interview Medium: Transcript - Paper

Title: Oral History Interview of Howard W. Leaf (Lt General, USAF, Retired), Director of Test and Evaluation, Headquarters, United States Air Force, Focusing on Air Force Test and Evaluation
Date of Publication: 1992

Leavitt, LTG Lloyd R., Jr.

Air Force Air Force - Strategic Air Command

Subject: Program Management - Air Force

Contents: F-111 program; MX; B-1 program; Strategic Air Command

Biography: Commander, 423rd TAC Fighter Wing; Vice Commander, Strategic Air Command

Interviewer: LTC David Greenberg

Date of Interview: 4-5 December 1981

Interview Medium: Transcript - Paper

Access Information: Release Pending

Pages: 225

Finding Aids: AFHRA 1620

Location: AFHRA

Lehman, John

Navy Navy - Secretary

Subject: Secretary - Navy

Contents: Comments about the dis-establishment of NAVMAT and the establishment of SPAWAR; discussion of the rationale behind the comprehensive organizational changes that he promoted in the Navy's research, development, and acquisition activities; remarks about the creation of a warfare systems architecture and engineering (WSA&E) function

Biography: Secretary of the Navy, 1981-1987

Interview Coverage: 1984-1990

Interviewer: Dr. Joseph Marchese

Date of Interview: 27 February 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 17

Location: DTRC

Lehner, Dr. George F. J.

Navy Naval Weapons Center (China Lake)

Subject: Program Management - Navy

Contents: Discussion of his associations with Naval Weapons Center (NWC) managers - especially Dr. McLean - and his impressions of the Center's management style and philosophy; remarks about the NWC corporate culture, community, military-civilian relationships

Biography: Management consultant to the Naval Weapons Center

Interview Coverage: 1970s-1984

Interviewer: Leroy L. Doig, III

Date of Interview: 7 December 1984

Interview Medium: Transcript - Paper

Access Information: access restricted

Pages: 27

Location: NWC

LeMay, GEN Curtis E.

Air Force Air Force - Strategic Air Command

Subject: Procurement - Air Force

Contents: SAC buildup; JCS role; distribution of funds within Air Force; R&D cost effectiveness; USAF's space effort; Skybolt; U.S. air defense requirements; NATO-US cooperation

Biography: Chief of Staff, Research and Development, HQ USAAF, 1945-1947; Commanding General, US Air Forces in Europe, 1947-1948; Commander-in-Chief, Strategic Air Command, 1948-1957; Vice Chief of Staff, USAF, 1957-1961; Chief of Staff, USAF, 1961-1965; retired January 1965

Interview Coverage: 1945-1969

Interviewer: Office of Air Force History

Date of Interview: January 1965

Interview Medium: Transcript - Paper

Pages: 16

Finding Aids: AFHRA 714

Location: AFHRA

LeMay, GEN Curtis E.

Air Force Air Force - Strategic Air Command

Subject: Procurement - Air Force

Contents: Post-World War II nuclear weapon planning; R&D after Second World War; establishment of Rand Corporation; SAC capabilities, 1948; formation of U.S. Air Forces, Pacific, 1945; SAC tactical role, 1950

Biography: Chief of Staff, Research and Development, HQ USAAF, 1945-1947; Commanding General, US Air Forces in Europe, 1947-1948; Commander-in-Chief, Strategic Air Command, 1948-1957; Vice Chief of Staff, USAF, 1957-1961; Chief of Staff, USAF, 1961-1965; retired January 1965

Interview Coverage: 1945-1953

Interviewer: John T. Bohn

Date of Interview: 9 March 1971

Interview Medium: Transcript - Paper

Pages: 43

Finding Aids: AFHRA 736

Location: AFHRA

Link, MG James M.

Army Army - Missile Command

Subject: Research and Development - Army

Contents: Accessible via <http://www.redstone.army.mil/history/oral/link.html>

Biography: Director, Materiel Management Directorate, U.S. Army Materiel Command (MICOM), Redstone Arsenal, AL, 1986-1989; Deputy

Commanding General, MICOM, 1992-1993; Deputy Commander,
21st Theater Army Command, U.S. Army Europe/Seventh Army,
June 1993 - June 1994; Commanding General, MICOM June 1994- June 1997

Interview Coverage: 1994-1997

Interviewer: Michael E. Baker and Claus R. Martel

Date of Interview: 16 June 1997

Interview Medium: Tape - Video

Location: USAAMCOM

Litke, COL Donald P.

Air Force Air Force - C-141B Stretch Program Office

Subject: Program Management - Air Force

Contents: Genesis of stretch program; sole-source selection of Lockheed as prime contractor; concern about Lockheed selection; reaction of governmental departments to stretch program; innovative approaches to keeping contractor-generated costs down; Lockheed's effort on Stretch program; use of Stretch program management procedures for other Air Force programs

Biography: Chief, C-141B Stretch Office, Robins AFB, GA

Interview Coverage: 1975-1978

Interviewer: Benjamin Vincent, Air Logistics Center History Office

Date of Interview: 2 February 1979

Interview Medium: Transcript - Paper

Pages: 26

Finding Aids: AFHRA 1193

Location: AFHRA

Lovett, Robert

OSD OSD - Secretary of Defense

Subject: Secretary - OSD

Biography: Secretary of Defense, 1951-1953

Interview Coverage: 1951-1953

Date of Interview: 1971

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 21

Finding Aids: OH 302

Location: Eisenhower Library

Lovett, Robert A.

OSD OSD - Secretary of Defense

Subject: Secretary - OSD

Contents: Personalities and politics in Truman administration; remarks on contracting and acquisition (C-5, F-111); accessible via www.trumanlibrary.org/oralhist/lovett

Biography: Secretary of Defense, 1951-1953; Asst. Secretary of Defense, 1950-1951; Undersecretary of State, 1947-1949

Interview Coverage: 1950-1953

Interviewer: Richard D. McKinzie and Theodore A. Wilson

Date of Interview: 7 July 1971
Interview Medium: Transcript - Paper
Access Information: Open; transcript available at
Location: Truman Library

Loving, LTG George G., Jr.

Air Force **Air Force - Eglin Air Proving Ground**
Subject: **Test and Evaluation - Air Force**
Contents: Tests of aircraft and guided munitions at Eglin Air Proving Ground;
 AWACS aircraft
Interviewer: CPT Mark C. Cleary
Date of Interview: 5-7 July 1983
Interview Medium: Transcript - Paper
Pages: 284
Finding Aids: AFHRA 1528
Location: AFHRA

Lucas, COL Charles W.

Air Force **Air Force - 388th Tactical Fighter Wing**
Subject: **Operations and Maintenance - Air Force**
Contents: Difficulties in securing materiel for aircraft maintenance; cost factors
 in securing necessary aircraft parts; lessons learned for improvement
 of maintenance system
Biography: Chief of Maintenance, 388th Tactical Fighter Wing
Interview Coverage: 1965-1966
Interviewer: 1LT Harold R. Robinson
Date of Interview: 22 January 1969
Interview Medium: Transcript - Paper
Access Information: Corona Harvest
Pages: 21
Finding Aids: AFHRA 83
Location: AFHRA

Luczac, BG Bernard R.

Army **Army - Tank-Automotive Command**
Subject: **Test and Evaluation - Army**
Contents: MBT-70; Abrams
Biography: PM, US/FRG Tank Development Program
Interview Coverage: 1968-1972
Access Information: File open to bona fide researchers
Location: USAMC

Luedecke, MG Alvin R.

Air Force **Atomic Energy Commission**
Subject: **Atomic Energy**
Contents: Relationships with prominent figures while at Atomic Energy
 Commission; Special Weapons Center; Cal Tech Corporation.
Biography: General Manager, Atomic Energy Commission
Interviewer: Dr. James C. Hasdorff

Date of Interview: 7-8 July 1987
Interview Medium: Transcript - Paper
Pages: 134
Finding Aids: AFHRA 1759
Location: AFHRA

Lyons, Dr. John W.

Army **Army - Laboratory Command**
Subject: **Research and Development - Army**
Biography: Director, ARL 1993-1998
Date of Interview: December 1999
Access Information: File open and available
Location: USAMC

MacIntyre, Malcolm A.

Air Force **Air Force - Under Secretary**
Subject: **ICBM Development**
Contents: Working relationship with Donald Quarles, Deputy Secretary of Defense; dealings with GEN Bernard Schriever; Atlas program; Titan program; Minuteman program; Federal Aviation Act of 1958 and cancellation of nuclear bomber aircraft
Biography: Under Secretary of Air Force, 1957
Interviewer: Dr. George M. Watson, Office of Air Force History
Date of Interview: 26 September 1985
Interview Medium: Transcript - Paper
Pages: 35
Finding Aids: AFHRA 1683
Location: AFHRA

Maggart, MG Lon E.

Army **Army - Training and Doctrine Command**
Subject: **Test and Evaluation - Army**
Biography: Chief of Armor,
Interview Coverage: 1995-1996
Interview Medium: Transcript - Paper
Access Information: Open
Location: Army Armor Center - Ft. Knox

Manz, Dr. Bruno J.

Air Force **Air Force - Holloman AFB, NM**
Subject: **Research and Development - Air Force**
Contents: Project Paperclip; aeroballistics laboratory, Redstone Arsenal, AL; Holloman AFB, NM; duplication of research effort among military services; Strategic Defense Initiative; annual versus multiyear R&D funding; missile defense tasks; work with industry and universities; methods of awarding military contracts; MX Missile program
Interviewer: Dr. James C. Hasdorff, USAF
Date of Interview: 16 April 1985
Interview Medium: Transcript - Paper
Pages: 69

Finding Aids: AFHRA 1649

Location: AFHRA

Marsh, GEN Robert T.

Air Force

Subject: **Research and Development - Air Force**

Biography: Chief, Projects Division, Directorate of Space; Executive Officer, Deputy Chief of Staff, Air Force Research and Development; Deputy, Reconnaissance/Strike and Electronic Warfare, AFSC, August 1969 - June 1973; Deputy Chief of Staff for Development and Plans, AFSC, June 1973 - October 1973; Deputy Chief of Staff for Systems, AFSC, June 1973 - August 1975; Vice Commander, AFSC, August 1975 - May 1977; Commander, Electronic Systems Division, AFSC, May 1977 - January 1981; Commander, AFSC, January 1981 - August 1984

Interviewer: Richard H. Kohn

Interview Medium: Transcript - Paper

Editor: Jacob Neufeld

Title: "Reflections on Research and Development in the United States Air Force"

Place of Publication: Washington DC

Publisher: Center for Air Force History

Date of Publication: 1993

Martin, LTG Abner B.

Air Force

Air Force - Armament Development and Test

Subject: **Test and Evaluation - Air Force**

Contents: Ballistic missile inertial guidance systems; aircraft armament systems; ICBM R&D funding; procurement procedures and costs; industrial and military management; research and development at Eglin AFB, FL; guided munitions technology; Air Force Armament Test Laboratory; Advanced Ballistic Reentry Systems program; AT-6 aircraft; T-28 aircraft; B-1 aircraft cancellation; Minuteman missile; MX missile; Pershing missile; Atlas missile; Supersonic Transport; F-105 aircraft

Biography: Commander, Air Force Armament Test Laboratory

Interviewer: Dr. James C. Hasdorff

Date of Interview: 14-15 September 1983

Interview Medium: Transcript - Paper

Pages: 181

Finding Aids: AFHRA 1539

Location: AFHRA

Martin, LTG Glen W.

Air Force

Air Force - Secretary

Subject: **Research and Development - Air Force**

Contents: Secretary Symington's management techniques for establishment of Air Force; Symington's feelings on hydrogen bomb, national security, NATO, ballistic missile research and development,

WSEG; "revolt of the admirals" over the B-36; relationship between James V. Forrestal, Secretary of Defense, and Symington; need of air superiority

Biography: Assignment to Office of the Secretary of the Air Force, November 1947 - February 1951

Interview Coverage: 1947-1951

Interviewer: LTC Vaughn N. Gallacher and Hugh N. Ahmann

Date of Interview: 16 February 1977

Interview Medium: Transcript - Paper

Pages: 95

Finding Aids: AFHRA 946

Location: AFHRA

Massey, CMS William R.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: F-15 time compliance technical orders/modifications at Bitburg AB, FRG; 2955th Combat Logistics Support Squadron

Interviewer: Richard W. Iobst

Date of Interview: 21 February 1980

Interview Medium: Transcript - Paper

Pages: 27

Finding Aids: AFHRA 1246

Location: AFHRA

Masterson, VADM Kleber S.

Navy OSD - Weapons Systems Evaluation Group

Subject: **Test and Evaluation - OSD**

Contents: Discussion of Polaris development; work as Director of the OSD Weapons Systems Evaluation Group (WSEG)

Biography: Executive Member, Navy Ballistic Missiles Committee; Chief of Navy Bureau of Weapons (BUWEPS); Director, Weapons Systems Evaluation Group, OSD

Interview Coverage: 1950s-1960s

Interviewer: unknown

Date of Interview: November 1972; April 1973

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 493

Location: NHC; NWCM; USNI

Material Command

Army Army - Materiel Command

Subject: **Acquisition**

Contents: Oral histories of general officers and civilians serving with the AMC; logistics assistance programs; research, development and acquisition; arsenals; resource management; personnel and EEO

Interview Coverage: 1960-1990

Interview Medium: Transcript - Paper

Access Information: collection of papers and oral history interviews from AMC
Location: MHI – Carlisle

Mathis, GEN Robert C.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Thoughts on GEN George S. Brown; Brown as Commander, AFSC; Rome Air Development Center; F-111 aircraft program

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 8 April 1980

Interview Medium: Transcript - Paper

Pages: 44

Finding Aids: AFHRA 1464

Location: AFHRA

Maxwell, MG J.C.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Reorganization and redesignation of ARDC to AFSC; AFSC development and Armament Development and Test Center

Interviewer: Melvin M. Kessler, Armament Division History Office

Date of Interview: 29 November - 1 December 1982

Interview Medium: Transcript - Paper

Pages: 34

Finding Aids: AFHRA 1557

Location: AFHRA

May, Charles B.

Navy Naval Weapons Center (China Lake)

Subject: Program Management - Navy

Contents: Discussion of lessons learned from a career in Navy R&D program management; discussion of employment at NOL, Corona, between 1967 and 1971, during which time Corona was being dis-established and its programs transferred to NWC; remarks about working philosophies of NOL and NWC, comments about increased bureaucratization; discussion of Shrike and HARM missile programs - comments as program manager for both systems; insights on relationships with PMAs; discussion of the genesis of the Design Review Committee, contract management improvement efforts, place of the contractor on the design team; summary of the strengths and weaknesses of the NWC in the weapons development process

Biography: Program Manager, Naval Ordnance Test Station (NOTS); Program Manager, Naval Weapons Center (NWC)

Interview Coverage: 1960s-1988

Interviewer: Elizabeth Babcock

Date of Interview: 27 April 1988; 28 April 1988

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 75

Location: NWC; DTRC; NHC

McBride, GEN William V.

Air Force Air Force - Air Staff

Subject: Procurement - Air Force

Contents:

Biography: Military Assistant to Secretary of the Air Force Zuckert and Secretary of the Air Force Harold Brown; Commander, Air Training Command; Commander, AFLC; Vice Chief of Staff of Air Force, 1975-1978

Interview Coverage: 1945-1978

Interviewer: Dr. James C. Hasdorff

Date of Interview: 29-31 January 1980

Interview Medium: Transcript - Paper

Pages: 255

Finding Aids: AFHRA 1188

Location: AFHRA

McBurnett, Genie

Navy Navy - Space and Naval Warfare Systems

Subject: Research and Development - Navy

Contents: Discussion of the dis-establishment of NAVMAT and establishment of SPAWAR; details of interviewee's professional background; historical details of the establishment of SPAWAR; definitions of warfare systems architecture (WSA) and warfare systems engineering (WSE); historical discussion of the programs which were precursors to WSA&E; comments about problems with C3I and her involvement in work to develop specifications to define performance boundaries; overview of WSA&E; comments about problems related to direct and indirect funding; evaluation of RADM Clark as Commander of SPAWAR; comparison of the contributions of the Strategic Systems Project Office (SSPO) and the AEGIS program to WSA&E; remarks about the rationale behind the development of the Assistant Secretary of the Navy for Research, Development, and Acquisition (RDA)

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 19 June 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 29

Location: DTRC

McCarthy, VADM Paul, Jr.

Navy Navy - Space and Naval Warfare Systems

Subject: Research and Development - Navy

Contents: Discussion of the dis-establishment of NAVMAT and the creation

of SPAWAR; evaluation of the Navy R&D organization; discussion of the relative merits of placing the R&D centers under the Chief of Naval Research (CNR), SPAWAR, or the sponsoring Systems Commands (SYSCOMs); remarks about funding of R&D centers; discussion of the full-spectrum laboratory concept; relationship between the CNR and the systems commands; idea of the Secretary of Defense examining the laboratories of all of the military services

Interviewer: Dr. Joseph Marchese

Date of Interview: 30 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 16

Location: DTRC

McCorkle, MG Charles M.

Air Force Air Force - Air Staff

Subject: **Guided Missiles**

Biography: Deputy Chief of Staff, Guided Missiles, HQ USAF, 1954; Assistant Chief of Staff, Guided Missiles, HQ USAF, 1956; Commander, Air Force Special Weapons Center, Kirtland AFB, NM, 1959; Vice Commander, Fifth Air Force, Tokyo, Japan, 1962; Assistant Deputy Chief of Staff, Programs and Resources, HQ USAF, 1965

Interviewer: Dr. James C. Hasdorff

Date of Interview: 18-19 April 1988

Length of Interview: 4:45 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1794

Location: AFHRA

McCoskrie, COL Roland K.

Air Force

Subject: **Logistics - Air Force**

Contents: Decision to terminate A-26 program due to logistics problem.

Biography: Commander, 56th Special Operations Wing

Interview Coverage: 1963-1968

Interviewer: LTC Robert G. Zimmerman

Date of Interview: 14 July 1975

Interview Medium: Transcript - Paper

Pages: 106

Finding Aids: AFHRA 893

Location: AFHRA

McCoy, MG John L.

Air Force Air Force - Titan Program Office

Subject: **ICBM development**

Contents: GEN LeMay and SAC; association with aerospace contractors; nuclear-powered aircraft; R&D business; Ballistic Missile Division;

Titan I; Atlas; Minuteman; Minuteman activation program; problem with Thiokol motor; value engineering; Titan II; Minuteman third stage; Aerospace Corporation; Dynasoar program; shipping of Minuteman; SAMSO; closing of Ballistic Missile Division; penetration aid programs; AFLC modernization

Biography: Director of Plans, AFLC

Interviewer: Hugh N. Ahmann

Date of Interview: 24-25 April 1986

Interview Medium: Transcript - Paper

Pages: 107

Finding Aids: AFHRA 1708

Location: AFHRA

McCulloch, COL William N.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: R&D experiences with various Air Force personnel; acquaintances with AFSC general officers

Interview Coverage: 1945-1973

Interviewer: MAJ Ralph A. Rowley, USAF, and Hugh N. Ahmann, USAF Oral

Date of Interview: 27 February 1973

Length of Interview: 2 hours

Interview Medium: Tape - Audio

Access Information: Permission required from interviewee to cite or quote

Finding Aids: AFHRA 660

Location: AFHRA

McDaniel, Dr. John L.

Army Army - Missile Command

Subject: Acquisition - Army

Contents: Work of Army Ordnance Rocket Center; Army Rocket and Guided Missile Agency; US Army Missile Command; US Army Missile Research and Development Command; funding and fielding missile systems: Hermes, Nike, Hawk, Honest John, Little John, Redstone, Pershing, Jupiter, Lance; Ordnance Missile Laboratories; management styles and organizational structures of army R&D centers

Interview Coverage: 1946-1970s

Interview Medium: Transcript - Paper

Access Information: Retained by MHI; oral history included with paper

Location: MHI

McDonnell, GEN John P.

Air Force Air Force - Air Staff

Subject: Test and Evaluation - Air Force

Contents: Testing of new equipment in combat theater; FB-111 aircraft; B-70 cancellation

Biography: Chief of Staff, U.S. Air Force, 1965-1969

Interview Coverage: 1945-1970

Location: AFHRA

Location: AFHRA

Location: AFHRA

Location: AFHRA

McGuire, Edward Perkins

OSD

OSD - Secretary of Defense

Subject: Secretary - OSD

Biography: Assistant Secretary of Defense for Supply and Logistics,
1956-1961

Interview Coverage: 1954-1961

Date of Interview: 1972

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 98

Finding Aids: OH 257

Location: Eisenhower Library

McIntosh, COL Richard K.

Air Force

Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: F-15 development; development of Blue Line system, vehicle for
F-15 R&D personnel to contact higher-level Air Force personnel
quickly

Interview Coverage: 1973

Interviewer: Jacob Neufeld, Office of Air Force History

Date of Interview: 6 March 1973

Interview Medium: Transcript - Paper

Pages: 42

Finding Aids: AFHRA 968

Location: AFHRA

McKean, COL Kenneth R.

Air Force

Subject: Research and Development - Air Force

Contents: E-3A AWACS program.

Interviewer: Terence R. St. Louis, Office of Air Force History

Date of Interview: 19 May 1983

Interview Medium: Transcript - Paper

Pages: 46

Finding Aids: AFHRA 1541

Location: AFHRA

McKee, GEN William F.

Air Force

Air Force - Air Staff

Subject: Logistics - Air Force

Contents: Robert S. McNamara; Lyndon B. Johnson.

Biography: Vice Commander, Air Materiel Command; Commander, AFLC;
Assistant Vice Chief of Staff, USAF; Vice Chief of Staff,
1962-1964

Interview Coverage: 1945-1968

Interviewer: Dr. James C. Hasdorff

Date of Interview: 13-14 March 1979

Interview Medium: Transcript - Paper

Pages: 144

Finding Aids: AFHRA 1118

Location: AFHRA

McKnight, LTG Clarence E.

Army Army - Signal Command

Subject: Program Management - Army

Biography: Commanding General, U.S. Army Communications Command

Date of Interview: 14 December 1987

Interview Medium: Transcript - Paper

Location: USASC-FG

McLean, Dr. William B.

Navy Naval Ordnance Test Station (NOTS)

Subject: Research and Development - Navy

Contents: Overview of naval laboratories since WWII; comments on the state of the Naval Ordnance Test Station and the Naval Ordnance Laboratory at the end of WWII; discussion of the transfer of the labs to the Chief of Naval Material in 1966; remarks about the Sherwin Plan, changes in the Office of the Director of Navy Laboratories (DNL); remarks about the effects of Congress on the labs, NIF Funding, and Special Project Offices and Project Managers; explains the effect of frequent leadership changes on R&D; outline of significant lab problems from 1958 to 1973; comments on how to evaluate R&D during peacetime

Interview Coverage: 1950s-1973

Interviewer: Dr. Samuel Rothman and Mrs. Susan Frutkin

Date of Interview: 12 December 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 33

Location: DTRC

McLean, Dr. William B.

Navy Naval Ordnance Test Station (NOTS)

Subject: Program Management - Navy

Contents: Discussion of the development of various Naval missile projects at NOTS, including Sidewinder and Walleye; discussion of their tracking and launching methods; discussion of the politics involved in developing a missile

Interview Coverage: 1950s-1960s

Interviewer: Albert B. Christman

Date of Interview: 16 November 1973

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: NWC; DTRC

McLucas, Dr. John L.

Air Force Air Force - Secretary

Subject: **Research and Development - Air Force**

Contents: Role as Air Force Secretary; selection of GEN Jones as Chief of Staff

Biography: Secretary, USAF

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 21 February 1980

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee for access to

Pages: 22

Finding Aids: AFHRA 1462

Location: AFHRA

McLucas, Dr. John L.

Air Force Air Force - Secretary

Subject: **Research and Development - Air Force**

Contents: Role as Air Force Secretary; personalities; NRO; Secretary of Defense Melvin Laird as a manager; Secretary of Defense Robert Schlesinger; Deputy Secretary William Clements; Air Force acquisition policies and procedures; airplane development versus satellite development; COMSAT; NRO methodology; Deputy Secretary David Packard; acquisition reform; TPP; C-5; F-15; F-111; Secretary of Defense Robert McNamara; precision bombing; project managers; acquisition workforce and education; industry

Biography: Secretary of the Air Force

Interviewer: Walton S. Moody; Walter S. Poole.

Date of Interview: 5 June 2001

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 50

Location: DAHP

McMillan, Dr. William G.

Government Defense Advance Research Projects Agency

Subject: **Research and Development**

Contents: Discussion of the creation of the position of Science Advisor to the Military Assistance Command - Vietnam (MAC-V); describes his activities while associated with MAC-V; reflections of the necessity for quick response to tactical problems by the scientific community; anecdotes illustrating his work and techniques used to accomplish missions

Biography: Science Advisor, Military Assistance Command -- Vietnam

Interview Coverage: 1960s

Interviewer: Glenn E. Bugos

Date of Interview: 9 August 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: DTRC

McNickle, LTG Marvin

Air Force Air Force - Air Research and Development

Subject: Research and Development - Air Force

Contents: Wright Field R&D Center; early ARDC leaders; early missiles; TAC concept; C-130s and KB-150s in Tactical Air Command (TAC); problems with F-100 and F-105; F-4; FB-111; assignment to Deputy Chief of Staff, Research and Development; contractor-military relationship

Biography: Commander, 13th Air Force

Interviewer: Hugh N. Ahmann

Date of Interview: 21 October 1985

Interview Medium: Transcript - Paper

Pages: 214

Finding Aids: AFHRA 1679

Location: AFHRA

McNicol, Dr. David L.

OSD OSD – Cost Analysis Improvement Group

Subject: Research and Development – OSD

Contents: Cost Analysis Improvement Group (CAIG)

Biography: Science Advisor, Military Assistance Command -- Vietnam

Interview Coverage: 1980s-2004

Interviewer: Carolyn C. Höfig

Date of Interview: 15 September 2004

Interview Medium: Transcript – Paper/Electronic; Tape – Audio

Access Information: Pending

Pages: 32

Location: DAHP

McVey, MG Peter M.

Army Army - Tank-Automotive and Armaments

Subject: Research and Development - Army

Biography: Program Executive Officer, Armored Systems Modernization

Interview Coverage: 1989-1993

Date of Interview: September 1993

Interview Medium: Transcript - Paper

Access Information: File open to bona fide researchers

Location: USAMC, USASC-FG

Merrell, GEN Jack G.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Biography: Chief of Staff, Atlantic Division, MATS; Commander, Kindley AB, Bermuda; Chief, Plans and Programs Division, MATS; Commander, Eastern Transport Air Force, MATS, McGuire AFB, NJ; Deputy Chief of Staff for Plans, MATS; Director of Budget, USAF; Comptroller, USAF; Vice Commander, USAFE; Commander, AFLC; retired 1972

Interview Coverage: 1945-1972

Interviewer: MAJ Scottie S. Thompson

Date of Interview: 25-29 November 1979

Interview Medium: Transcript - Paper

Pages: 296

Finding Aids: AFHRA 1179

Location: AFHRA

Merryman, LTG James H.

Army Army - Aviation and Missile Command

Subject: **Aviation - Army**

Contents: Aviation career; Howze Board; AH-56 Cheyenne Program; AH-64 Apache program; Army aviation relations with Congress

Interviewer: Dr. James W. Williams

Date of Interview: 23 January 2000

Length of Interview: 2 90-min. tapes

Interview Medium: Transcript - Paper

Access Information: Open; filed alpha in file cabinet, 870-5.4000 series

Pages: 4

Location: AABHO

Messersmith, LTC John D.

Air Force

Subject: **Foreign Military Sales**

Contents: F-15 FMS programs; sales to Israel (Peace Fox); sales to Japan (Peace Eagle); sales to Saudi Arabia (Peace Sun)

Interviewer: Richard W. Iobst

Date of Interview: 29 September 1980

Interview Medium: Transcript - Paper

Pages: 17

Finding Aids: AFHRA 1255

Location: AFHRA

Metcalf, VADM Joseph

Navy Navy - Space and Naval Warfare Systems

Subject: **Research and Development - Navy**

Contents: Interview pertains to the dis-establishment of NAVMAT and establishment of SPAWAR in 1985; discussion of NAVMAT's effectiveness and interviewee's perceptions of the rationale behind the establishment of SPAWAR and the reasons for assigning it the WSA&E function; discussion concerning the effectiveness and appropriateness of placing the WSA&E function within a systems command; remarks about the necessity of WSA&E, type of officer best suited for the job, problems encountered with effective implementation

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 13 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 13

Location: DTRC

Metzel, RADM Jeffrey

Navy **Navy Ordnance Laboratory**

Subject: **Program Management - Navy**

Contents: Interview pertaining to the history of the Mk 48 Torpedo development program; discussion of personal background and assignments, especially time spent as Program/Project Manager for the Mk 48 Mod 0 and Mod 2 Torpedoes; description of the state of the torpedo program when interviewee took over, developments that took place during his tenure, including re-involvement of Clevite in development process; remarks about the involvement of the Department of Defense in selecting the Clevite design, reasons the Westinghouse design was not chosen; discussion of lessons learned from program, including engineering development, project management, and cost-type contracting observations

Interview Coverage: 1960s-1971

Interviewer: Dr. Joseph Marchese

Date of Interview: 17 July 1989

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Meyer, RADM Wayne

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Research and Development - Navy**

Contents: NAVMAT/SPAWAR interview to gather information about the dis-establishment of NAVMAT; review of career since 1970, especially involvement with the AEGIS program; discussion of the context for the AEGIS program, including remarks about the Navy's experiences in WWII and the origins of systems engineering; description of the relationships among research, engineering, and production; background on the procurement of the AEGIS system in response to the growing strike missile capability of the Soviet Union; description of the AEGIS program philosophy; remarks about how NAVMAT could have been the leader in systems architecture extensive remarks about interviewee's views on the types and functions of warfare; comments about vessel and battle group organization, comparisons between naval organization forms and technology integration; comparison of the Office of the CNO with Chief of NAVMAT; discussion of problems encountered by SPAWAR in WSA&E activities; effect of the Goldwater-Nichols Defense Department Reorganization Act on naval organization and the flow of funds; remarks about the effect of Goldwater-Nichols on the role of the CNO and the organization of the Joint Chiefs of Staff (JCS)

Biography: Project Manager, AEGIS Shipbuilding Project, 1975-1983; Deputy Commander of Weapons and Combat Systems, 1983-1985

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 30 April 1990
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 58
Location: DTRC

Middendorf, J. William, III

Navy **Navy - Naval Material Command**
Subject: **Research and Development - Navy**
Contents: NAVMAT/SPAWAR interview to gather information about the dis-establishment of NAVMAT; positive remarks about the overall structure and effectiveness of the Navy's material establishment during his tenure as Secretary of the Navy; evaluation of the Navy's R&D centers and their interactions with NAVMAT and the SYSCOMs; assessment of John Lehman's restructuring of the contract system and his decision to abolish NAVMAT
Biography: Secretary of the Navy, 1974-1977
Interview Coverage: 1970s-1985
Interviewer: Dr. Joseph Marchese
Date of Interview: 12 March 1990
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 10
Location: DTRC

Miley, GEN Henry A.

Army **Army - Materiel Command**
Subject: **Program Management - Army**
Contents: Early AMC organization; arsenal system; PM structure; project management
Interviewer: Marken Birdsell
Date of Interview: November 1984
Interview Medium: Transcript - Paper
Access Information: Incomplete file; requires completion of interviewee's edit;
Pages: 43
Location: USAMC

Miller, COL Burton T., Jr.

Air Force **Air Force - Tactical Air Command**
Subject: **Operations and Maintenance - Air Force**
Contents: Conversion of 21st Tactical Fighter Wing to F-15 aircraft; problems associated with conversion; climate-related problems of F-15 in Alaska
Biography: Deputy Commander, Operations, 21st Tactical Fighter Wing, July 1981 - October 1983
Interviewer: John F. Eckert
Date of Interview: 1984
Interview Medium: Transcript - Paper
Pages: 19

Finding Aids: AFHRA 1654

Location: AFHRA

Miller, LTG Thomas H., Jr.

Marine Corps Marine Corps - Command Staff

Subject: **Test and Evaluation - Marine Corps**

Contents: First American to fly Marine Corps' AV-8A VTOL aircraft; set aviation speed record in F4H-1 (F-4B) aircraft; Harrier aircraft and importance of VTOL aircraft

Biography: Deputy Chief of Staff for Aviation, HQ Marine Corps

Interviewer: LTC Peter L. Kranker, USMC, Air War College, for USAF Oral

Date of Interview: 9-10 December 1985

Interview Medium: Transcript - Paper

Pages: 300

Finding Aids: AFHRA 1686

Location: AFHRA

Miller, LTG Troup, Jr.

Air Force Air Force - Arnold Engineering Development

Subject: **Research and Development - Air Force**

Contents: Engine and rocket tests at AEDC; Air University; Air War College; Air Command and Staff College

Biography: Commander, Air University; retired 1963

Interview Coverage: 1945-1963

Interviewer: Dr. James C. Hasdorff

Date of Interview: 11-12 July 1978

Interview Medium: Transcript - Paper

Pages: 213

Finding Aids: AFHRA 1059

Location: AFHRA

Miller, MG David V.

Air Force Air Force - Systems Command

Subject: **Research and Development - Air Force**

Contents: Naval Research Laboratory work on Mike Shot, large-yield thermonuclear weapon; GEN Orvil Anderson; C-45 accidents; B-66 problems; AFOAT; AEC; AFSC; Titan II missile program; Operation Paddlewheel; TREES program

Biography: Commander, Special Weapons Center, Kirtland AFB, NM

Interviewer: Dr. James C. Hasdorff

Date of Interview: 25 September 1985

Interview Medium: Transcript - Paper

Pages: 126

Finding Aids: AFHRA 1674

Location: AFHRA

Miller, VADM Richard

Navy Navy - Space and Naval Warfare Systems

Subject: **Acquisition - Navy**

Contents: Discussion of the dis-establishment of NAVMAT and the establishment of SPAWAR, commenting on official and actual reasons; discussion of the establishment of the Office of Naval Acquisition Support; remarks about the transition from Naval Electronics Systems Command to SPAWAR and the genesis of WSA&E; information about the placement of R&D centers within SPAWAR

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 17 April 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 27

Location: DTRC

Milton, GEN Theodore R.

Air Force Air Force - Inspector General

Subject: **Automation - Air Force**

Contents: Commercial Reserve Air Fleet; beginnings of computer use in Air Force; development of ballistic missiles; Air Force-Army rivalry over missiles

Biography: Director of Operations, MATS; Deputy Director for Management Analysis, HQ USAF; assistant to Secretary of Air Force; Commander, 41st Air Division, Johnson AB, Japan, August 1958; Deputy Chief of Staff, Plans and Operations, CINCPAC, Chief of Staff, Tactical Air Command, 1965; Inspector General of the Air Force; Comptroller of the Air Force; Deputy Chairman, NATO, 1969.

Interviewer: CPT Mark C. Cleary, USAF

Date of Interview: 9 July 1982

Interview Medium: Transcript - Paper

Pages: 29

Finding Aids: AFHRA 1339

Location: AFHRA

Mitchell, MG Clyde H.

Air Force Air Force - Systems Command

Subject: **Program Management - Air Force**

Contents: Procurement of B-52 aircraft; F-102, first aircraft procured by contract; procurement of F-111 aircraft; formation of AFSC; development of ICBM

Interviewer: Hugh N. Ahmann

Date of Interview: 30 October 1982

Interview Medium: Transcript - Paper

Pages: 169

Finding Aids: AFHRA 1356

Location: AFHRA

Monohan, COL George L., Jr.

Air Force Air Force - European Systems Program Office

Subject: **International Cooperation - Air Force**

Contents: ESPO charter, organization and mission; problems of tooling procurement; contacts with European governments; primary function of coordination; ESPO's relationship with Contract Administrative Services, Europe; lessons learned from similar organizations; roles of F-16

Biography: First Director of ESPO

Interview Coverage: 1975-1976

Interviewer: Walter L. Kraus

Date of Interview: 11 February 1976

Interview Medium: Transcript - Paper

Pages: 21

Finding Aids: AFHRA 907

Location: AFHRA

Mooney, RADM John Bradford

Navy **Navy - Office of Naval Research**

Subject: **Research and Development - Navy**

Contents: Discussion of the dis-establishment of NAVMAT and the establishment of SPAWAR, with remarks about why Navy labs were moved to the control of the Office of the Chief of Naval Research and not the systems commands; discussion of the funding and roles of university laboratories; evaluation of the effectiveness of the R&D centers and the Director of Naval Laboratories (DNL) under the CNR, with comments about the move of the labs from the control of the CNR to SPAWAR and the rationale for the move; discussion of the management problems encountered by VADM Clark when he went from SPO to SPAWAR; assessment of the CNR's effectiveness dealing with the problems of R&D centers and relationships between the labs/R&D centers and the Office of the CNR

Biography: Chief of Naval Research and Chief of Naval Technology, 1983-1987

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 17 April 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 28

Location: DTRC

Moore, LTG Joseph H.

Air Force

Subject: **Test and Evaluation - Air Force**

Contents: Aircraft used in early years of Vietnam War; TFX (Tactical Fighter Experimental), later known as F-111 aircraft

Biography: Commander, Second Air Division, Vietnam, January 1964; Deputy Commander for Air Operations, Military Assistance Command, Vietnam, June 1965; Vice Commander, PACAF, July 1966;

Inspector General, USAF, 1967
Interviewer: CPT Mark C. Cleary, USAF
Date of Interview: 24-27 September 1984
Interview Medium: Transcript - Paper
Pages: 271
Finding Aids: AFHRA 1611
Location: AFHRA

Moore, LTG Robert L.

Army **Army - Materiel Command**
Subject: **Acquisition - Army**
Biography: DCG Research, Development, & Acquisition
Date of Interview: 11 Feb 1985
Interview Medium: Transcript - Paper
Access Information: review not complete; file availability to be determined
Location: USAMC

Moore, LTG Robert L.

Army **Army - Materiel Command**
Subject: **Acquisition - Army**
Biography: DCG Research, Development, & Acquisition
Date of Interview: 16 May 1985
Interview Medium: Transcript - Paper
Access Information: review not complete; file availability to be determined
Location: USAMC

Moore, MG William G., Jr.

Air Force **Air Force - Military Airlift Command**
Subject: **Logistics - Air Force**
Contents: Airlift development, CONOPS and future; MAC versus TAC roles; shortage of materials-handling equipment; C-130; C-5; helicopters; VTOL aircraft; dedicated airlift concept; data control; computerization; in-country/out-country C-130 concept
Interview Coverage: 1962-1970
Interviewer: COL Louis P. Lindsay, USAF
Date of Interview: 4 May 1970
Interview Medium: Transcript - Paper
Access Information: SECRET/NOFORN. Corona Harvest
Pages: 45
Finding Aids: AFHRA 266
Location: AFHRA

Moran, VADM William

Navy **Navy - Test and Evaluation**
Subject: **Acquisition - Navy**
Contents: Comments on relationships with the various Assistant Secretaries of the Navy for Research and Development (ASN R&D); changes in the relationship between the ASN (R&D) and OPNAV; comments about ADM Zumwalt's use of the CNO Executive Board; recollections of work at the Naval Ordnance Test Station;

comments about the Navy's success working with civilians;
discussion of work at Director of the Office of RDT&E, including
remarks about the need to increase interaction with the DCNM's
Office, the Ordnance Systems Command's ability to respond to new
requirements, and the management bureaucracy in Navy R&D

Biography: Director of the Office of RDT&E

Interview Coverage: 1960s-1975

Interviewer: CAPT Robert L. Hansen

Date of Interview: 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 31

Location: DTRC

Moreell, ADM Ben

Subject: **Hoover Commission II (1953-55)**

Biography: Member, Hoover Commission II, 1953-1955

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 82

Location: Hoover Library

Morgan, MG Robert D.

Army **Army - Communications Electronics Command**

Subject: **Test and Evaluation - Army**

Contents: Experience as CECOM commander; MSE fielding; PEO concept;
use of NDI

Interviewer: Simchik, Strong

Date of Interview: May 1987

Interview Medium: Transcript - Paper

Access Information: File open to all

Pages: 21

Location: USAMC

Morris, Thomas D.

Hoover Commission II (1953-1955)

Subject: **Hoover Commission I (1947-49)**

Biography: Member, Hoover Commission I, 1947-1949; management analyst,
consultant; Asst. Secretary of Defense, 1961-1964

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 14

Location: Hoover Library, Stanford University

Morris, Victor E.

Air Force **Air Force - Military Air Transport Service**

Subject: **Operations and Maintenance - Air Force**

Contents: MATS; C-141 Lead-the-Force program; difficulties with C-141 kit
concept; Minuteman missile modification; aerospace ground
equipment logistics support

Biography: Chief of jet aircraft branch responsible for maintenance engineering of C-5 and C-141 programs

Interview Coverage: 1960-1972

Interviewer: Walter L. Kraus

Date of Interview: 23 May 1972

Interview Medium: Transcript - Paper

Pages: 27

Finding Aids: AFHRA 600

Location: AFHRA

Morton, Gary

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Discussion of the impact of the Navy's laboratory reorganization, concludes that the changes had little effect on the R&D community; remarks about the role of block funding in increasing lab control over program formulation and execution; remarks about the importance of communication between R&D centers and the SYSCOMs; remarks about potential conflicts between R&D centers and program managers; observations about the positive effects of the laboratory reorganization

Biography: Director of Navy Laboratories, 1984-1985

Interview Coverage: 1970s-1980s

Interviewer: Steven Boster

Date of Interview: 5 September 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 9

Location: NWC; DTRC

Morton, Gary

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Detailed discussion of the dis-establishment of NAVMAT and the assignment of Navy labs to the Office of the Chief of Naval Research; discussion of interactions with superiors, politics of Naval Material Establishment, command structure over the DNL during interviewee's tenure as Director of Navy Laboratories; remarks about ideal organization for Navy laboratory community, relationships between R&D centers and SYSCOMs; effects of NAVMAT dis-establishment on Navy lab and R&D community (suggests that the R&D centers now embody the only technical competence of the Systems Commands)

Biography: Director of Navy Laboratories, 1984-1985

Interview Coverage: 1980s

Interviewer: Dr. David K. Allison

Date of Interview: 20 December 1985; 27 December 1985

Length of Interview: 5 tapes

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Morton, Gary

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Discussion of the dis-establishment of NAVMAT and the establishment of SPAWAR; discussion of the genesis of the SPAWAR concept and the notion of warfare integration; comments on Secretary of the Navy Lehman's motivations regarding the dis-establishment of NAVMAT; details of difficulties that arose between the Assistant Secretary of the Navy for Research, Engineering, and Systems (ASN/RES) and the Director of Navy Laboratories (DNL); discussion of the politics of WSA&E, integration challenges; conflicts between SYSCOMs and R&D centers; discussion of funding issues within SPAWAR; details of the administrative, bureaucratic, and political relationships among labs, R&D centers, SYSCOMs, and DNL

Biography: Director of Navy Laboratories, 1984-1985

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 22 February 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 45

Location: DTRC

Mowery, COL James L.

Army **Army - Aviation and Missile Command**

Subject: **Aviation - Army**

Contents: End of tour interview, Directorate of Evaluation and Standardization

Interviewer: Dr. James W. Williams

Date of Interview: 15 March 2000

Length of Interview: 35 min. tape+notes

Interview Medium: Tape - Audio

Access Information: Open; filed alpha in file cabinet, 870-5.4000 series

Location: AABHO

Mowery, COL James L.

Army **Army - Aviation and Missile Command**

Subject: **Aviation - Army**

Contents: Employment/deployment/criticism of AH-64 Apache

Interviewer: Dr. James W. Williams

Date of Interview: 29 July 1999

Length of Interview: 40 min. tape+notes

Interview Medium: Tape - Audio

Access Information: Open; filed alpha in file cabinet, 870-5.4000 series

Location: AABHO

Mundell, LTG Lewis L.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Biography: Commander, San Antonio Air Materiel Area; Commander, Oklahoma City Air Materiel Area; Vice Commander, AFLC, August 1965; Interim Commander, AFLC, February-March 1968

Interview Coverage: 1945-1970

Interviewer: Dr. James C. Hasdorff

Date of Interview: 31 October - 1 November 1979

Interview Medium: Transcript - Paper

Pages: 220

Finding Aids: AFHRA 1177

Location: AFHRA

Mundy, LTG George W.

Air Force Air Force - Acceptance and Inspection Board

Subject: Research and Development - Air Force

Contents: funding; procurement; use of flyaway kits in Far East; procedures for overhauling aircraft; efforts to upgrade ICAF

Biography: Air Force head of Acceptance and Inspection Board for bomber aircraft

Interviewer: CPT Mark C. Cleary, USAF

Date of Interview: 25 September 1984

Interview Medium: Transcript - Paper

Pages: 199

Finding Aids: AFHRA 1610

Location: AFHRA

Murray, Peter R.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Inputs to Exploratory Development Laboratories; Project FORECAST; lack of close air support system development in Air Force; emphasis on strategic weapons in Air Force CONOPS and doctrine; research and development at AFSC; Wild Weasel; laser-guided bombs; Skybolt missile; cold-thrust augmentation; comparison of Russian and U.S. research and development; increase in systems analysis in 1960s; DoD Reorganization Act of 1958; F-15 development; C-5A development; gunship and close air support system development; procurement procedures; AFSC and NASA; MITRE Corporation; SAGE system; AFSC leadership

Interview Coverage: 1945-1973

Interviewer: Hugh N. Ahmann

Date of Interview: 10-11 July 1973

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 260

Finding Aids: AFHRA 679

Location: AFHRA

Murray, Peter R.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Concurrency; commonality; "fly before buy;" working relationship with AFSC general officers

Biography: Acting Director of Laboratories, AFSC

Interview Coverage: 1945-1973

Interviewer: MAJ Ralph A. Rowley, USAF, Dr. James C. Hasdorff and Hugh

Date of Interview: 28 February 1973

Length of Interview: 1:30 hours

Interview Medium: Tape - Audio

Access Information: Permission required from interviewee to cite or quote

Finding Aids: AFHRA 661

Location: AFHRA

Murray, Russell II

OSD Program Analysis & Evaluation

Subject: Research and Development – OSD

Contents: Charter of the Systems Analysis organization; personalities; working relations with Secretary of Defense Harold Brown and then-USD (Research and Engineering) William Perry; Operational Test and Evaluation; working relations with deputy secretaries; the need for and resistance to testing; working relations with David Packard; costing and the CAIG; C-5; B-1; MX missiles; systems analysis methodology in the services (especially the Navy); Admiral Hyman Rickover; F-111; acquisition decision-making in the Carter administration; Eugene Fubini; Center for Naval Analyses (CNA); requirements

Biography: ASD (Program Analysis & Evaluation), 1977-1981

Interview Coverage: 1970s-1980s

Interviewer: Walton S. Moody

Date of Interview: 10 June 2004

Interview Medium: Transcript – Paper/Electronic; Tape – Audio

Access Information: Pending

Pages: 46

Location: DAHP

Myers, Charles E., Jr.

Air Force Aerocounsel

Subject: Research and Development - Air Force

Biography: President of Aerocounsel, consulting firm for government and aerospace industry with primary interest in tactical air research and development; flying qualities of fighter and attack planes; contributions of CPT John Boyd's energy maneuverability charts; F-4 limitations; F-X concept and design

Interview Coverage: 1973

Interviewer: Jacob Neufeld

Date of Interview: 18 June 1973

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 59

Finding Aids: AFHRA 971

Location: AFHRA

Myers, Ralph

Navy

Subject: **Test and Evaluation - Navy**

Contents: Description of career and interviewee's involvement with NEMO, Sealab, SUBROC, and ASROC programs; discussion of SUBROC and ASROC testing off San Clemente Island, Sealab accident in which a diver died; discussion of working with the Navy acquisition and contracting process, remarks about changes in these areas during interviewee's career

Interview Coverage: 1970s-1980s

Interviewer: Dr. Mark Jacobsen

Date of Interview: 22 May 1986

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 20

Location: NOSC

Nelson, COL James T., Jr.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Logistics Plans Division, Directorate of Logistics; concepts, policies and procedures for Vietnamization Logistics program; execution of Enhance Plus program in October 1972, which called for delivery of massive amounts of materiel to Vietnam Air Force by December 1972; concepts behind employment of contractors to support Vietnamization; logistics computer problems; VNAF aircraft maintenance problems; VNAF airlift capability; VNAF supply system effectiveness

Biography: Director, Air Force Division, Defense Attaché Office, Saigon, Vietnam

Interview Coverage: 1972-1973

Interviewer: CPT Thomas des Brisay, USAF

Date of Interview: 28 October 1973

Interview Medium: Transcript - Paper

Access Information: CONFIDENTIAL

Pages: 44

Finding Aids: AFHRA 870

Location: AFHRA

Neville, COL A.P., Jr.

Air Force Air Force - Aerospace Guidance/Meteorology

Subject: **Research and Development - Air Force**

Contents: RF-15 aircraft; RB-26 aircraft; F-4 aircraft; AGMC; "Racker-Stacker" problems, particularly concerning procurement

Biography: Vice Commander, tactical fighter wing, Thailand, 1969;
Commander, 354th Tactical Fighter Wing, Kunsan AB, Korea,

1969; Fourth Commander of AGMC, 1972-1975

Interviewer: George W. Bradley

Date of Interview: 13 August 1981

Interview Medium: Transcript - Paper

Pages: 39

Finding Aids: AFHRA 1306

Location: AFHRA

Nichols, Kenneth D.

OSD **OSD - Secretary of Defense**

Subject: **Research and Development**

Contents: Nichol's appointment to the AEC; civilian-military custody battle over atomic weapons and power; creation of Guided Missiles Project within OSD; Berlin Crisis and Korean War spark interest in long-range ballistic missiles; military satellite program initiated under Aristide VonGrosau, subsequent termination; military industrial complex remarks

Biography: Chief of the Armed Forces Special Weapons Project; Deputy Director for Guided Missiles in the Office of the Secretary of the Defense, 1950-1953; General Manager of the AEC, 1953-1955

Interview Coverage: 1948-1955

Date of Interview: 1967

Interview Medium: Transcript - Paper

Access Information: written permission required to quote, cite, or reproduce

Pages: 100

Finding Aids: OH 262

Location: Eisenhower Library

Nitze, Paul H.

OSD **OSD - Deputy Secretary of Defense**

Subject: **Test and Evaluation - OSD**

Biography: Deputy Director, Office of International Trade Policy, U.S. Department of State, 1946; Deputy to Assistant Secretary of State for Economic Affairs, U.S. Department of State, 1948; Deputy Director, Policy Planning Staff, U.S. State Department, 1949; Director, Policy Planning Staff, U.S. State Department, 1950; Assistant Secretary of Defense for International Security Affairs, 1961-1963; Secretary of Navy, 1963-1967; Deputy Secretary of Defense, 1967-1969

Interview Coverage: 1945-1953

Interviewer: LTC John N. Dick, Jr., USAF, and Dr. James C. Hasdorff, USAF

Date of Interview: 25-28 October 1977; 19-21 May and 14-16 July 1981

Interview Medium: Transcript - Paper

Pages: 506

Finding Aids: AFHRA 977

Location: AFHRA

Norstad, GEN Lauris

Air Force **Air Force - Strategic Air Command**

Subject: Operations and Maintenance - Air Force

Contents: NATO command; GEN H.H. Arnold's advisory council; GEN Lemnitzer; LeMay's succession of Kenney as CINCSAC; Vandenberg's leadership; B-36 controversy; comparison between White and Twining leadership; refusal of job as Chief of Staff, USAF

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 22 August 1977

Interview Medium: Transcript - Paper

Pages: 77

Finding Aids: AFHRA 1473

Location: AFHRA

Northrup, Doyle L.

Air Force **Air Force - Technical Applications Center**

Subject: Test and Evaluation - Air Force

Contents: Dr. Werner von Braun; German acoustic torpedo; first U.S. Navy acoustic torpedo testing range; transfer to USAF to perform nuclear detonation detection; background and history of AFTAC; Sandstone tests; AFTAC budget problems; mission of AFTAC; breakthroughs in nuclear detection

Interview Coverage: 1945-1973

Interviewer: LTC Lyn R. Officer, USAF

Date of Interview: 24 July 1973

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 107

Finding Aids: AFHRA 685

Location: AFHRA

Novick, David

Air Force **RAND**

Subject: Research and Development - Air Force

Contents: RAND career; strategic bombardment and economics; offensive bomber study USAF contract; Curtis LeMay; USAF approach to acquisition cost analysis; development of life cycle cost concept; relationship between cost analysis and systems analysis; Peck-Scherer Harvard study on weapons acquisition

Biography: RAND economist/analyst

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins

Date of Interview: 24 February 1988; 20 June 1988

Length of Interview: 3.25 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 57

Location: NASM

Nutt, Harold V.

Navy

Navy - David Taylor Research Center (DTRC)

Subject: Research and Development - Navy

Contents: Discussion of career and background; interest in aeronautical engineering; work at the Experimental Engineering Station (EES) in the late 1930s; work in industry during the war, work on captured equipment; comments on the post-WWII reduction in R&D force, work as Superintendent of the Internal Combustion Laboratory, early work with titanium; development of SDRVs that followed the loss of the THRESHER; work with the Vietnam Laboratory Assistance Program (VLAP) in research and management

Interview Coverage: 1940s-1970s

Interviewer: Dr. David K. Allison

Date of Interview: 22 October 1982; 4 November 1982

Length of Interview: 7 tapes

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 125

Location: DTRC

O'Connor, LTG Edmund F.

Air Force

Subject: Procurement - Air Force

Contents: Changes in Air Force during career; reduced production of Air Force equipment; problem of maintaining adequate fighting force; reasons why military hardware is expensive; replacement of retiring Air Force management cadre; need for greater delegation of authority within management; need for sophisticated weapon systems; effects of rising costs and diminished resources on Air Force.

Interview Coverage: 1945-1973

Interviewer: Martin J. Miller, Jr., and Joseph A. Ventolo, Jr.

Date of Interview: 5 August 1975

Interview Medium: Transcript - Paper

Pages: 19

Finding Aids: AFHRA 684

Location: AFHRA

Oestreicher, Dr. Hans L.

Air Force

Subject: Research and Development - Air Force

Contents: Computer development and modeling; computer simulation and interaction of laws of mechanics; bionics; use of computers in command and control decisions; future military applications of information processing.

Interview Coverage: 1945-1977

Interviewer: John W. Bullard

Date of Interview: 21 October 1977

Interview Medium: Transcript - Paper

Pages: 25

Finding Aids: AFHRA 1100

Location: AFHRA

Old, LTG Archie J.

Air Force Air Force - Strategic Air Command

Subject: Operations and Maintenance - Air Force

Contents: GEN Curtis LeMay; evaluation of B-47; B-47 versus ICBM; evaluation of B-36; evaluation of B-52; KC-135 problems; MX weapon system; KC-10.

Biography: Director of Operations, Strategic Air Command; Commander, 8th Air Force; Commander, 15th Air Force

Interviewer: Hugh N. Ahmann

Date of Interview: 26 October - 2 November 1982

Interview Medium: Transcript - Paper

Pages: 582

Finding Aids: AFHRA 1357

Location: AFHRA

O'Neill, BG Malcolm R.

Army Army - Laboratory Command

Subject: Research and Development - Army

Biography: Commander, LABCOM, DCS Tech Plan & Management

Date of Interview: 15 November 1989

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

O'Neill, BG Malcolm R.

Army Army - Laboratory Command

Subject: Research and Development - Army

Biography: Commander, LABCOM, 1987-1989

Interview Coverage: 1987-1989

Date of Interview: May 1991

Access Information: File open to bona fide researchers

Location: USAMC

O'Neill, BG Malcolm R.

Army Army - Laboratory Command

Subject: Research and Development - Army

Biography: Commander, LABCOM, DCS Tech Plan & Management

Date of Interview: 3 November 1989

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

O'Neill, LTG John W.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Electronic Systems Division; creation of AFSC and AFLC;

research and development; C-5A; F-111; Skybolt; U.S. missile defense efforts of 1950s and 1960s; AFSC response to war in Southeast Asia; research and development of helicopters; NASA-USAF cooperation.

Biography: Chief, Guided Missiles Branch, HQ USAF, 1947-1950; Deputy Chief of Staff, Comptroller, Air Force Missile Test Center, 1951-1954; Assistant Director of Programs, Deputy Chief of Staff, Operations, HQ US Air Forces in Europe, 1957-1958; Office of Director of Defense Research and Engineering, Office of Secretary of Defense, 1961-1964; Commander, Space and Missile Systems Organization, 1967-1969; Vice Commander, Air Force Systems Command, 1969-1972; retired September 1972; died 24 March 1977, Miami, FL

Interview Coverage: 1950-1973

Interviewer: Dr. James C. Hasdorff

Date of Interview: 15-18 May 1973

Interview Medium: Transcript - Paper

Pages: 276

Finding Aids: AFHRA 673

Location: AFHRA

Opfell, LTC Ronald F.

Air Force

Subject: **Research and Development - Air Force**

Contents: Introduction of munitions in Southeast Asia, 1968-1969; munitions improvements, deficiencies and performance; effectiveness of SEA Operational Requirement System. Update of AFHRA interview 224.

Biography: Munitions specialist.

Interview Coverage: 1968-1969

Interviewer: CPT John D. Reeves, USAF, and CPT R.G. Swenston, USAF

Date of Interview: 8 June 1970

Length of Interview: 2:13 hours

Interview Medium: Tape - Audio

Access Information: SECRET/NOFORN Corona Harvest.

Finding Aids: AFHRA 286

Location: AFHRA

Oscar, Dr. Kenneth J.

Army Army - Materiel Command

Subject: **Acquisition - Army**

Biography: Principal Deputy, Acquisition

Date of Interview: 3 March 1995

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

Ostrander, MG Don R.

Air Force

Subject: Research and Development - Air Force

Contents: USAF missile development; rocket sled testing; organizational problems of Air Research and Development Command (ARDC); Office of Aerospace Research (OAR); contracting/procurement procedures; establishment of Scientific Advisory Group, OAR; Office of Scientific Research; need for R&D personnel to communicate with operational commands.

Biography: One of first non-rated officers to command flying unit; one of first non-rated general officers

Interview Coverage: 1945-1965

Interviewer: Arthur K. Marmor

Date of Interview: October 1965

Length of Interview: 1:30 hours

Interview Medium: Tape - Audio

Finding Aids: AFHRA 782

Location: AFHRA

Pace, Frank, Jr.

Army **Army - Secretary**

Subject: Secretary - Army

Biography: Secretary of the Army, 1950-1953

Interview Medium: Transcript - Paper

Access Information: Open

Location: Truman Library

Paige, LTG Emmett, Jr.

Army **Army - Information Systems Command**

Subject: Program Management - Army

Biography: Exit interview; Commanding General, U.S. Army Information Systems Command, July 1984 - June 1988

Interview Coverage: 1984-1988

Date of Interview: 2 March 1988; 11 April 1988; 28 May 1988

Interview Medium: Transcript - Paper

Location: USASC-FG

Paige, LTG Emmett, Jr. (Ret.)

OSD **Assistant Secretary of Defense - C3I**

Subject: C4I - OSD

Biography: Commanding General, U.S. Army Information Systems Command, July 1984 - June 1988; Assistant Secretary of Defense for Command, Control, Communications and Intelligence (ASD C3I)

Interviewer: Carol E. Stokes

Date of Interview: 17 September 1993

Interview Medium: Transcript - Paper

Location: USASC-FG

Partridge, GEN Earle E.

Air Force Air Force - Air Research and Development

Subject: Research and Development - Air Force

Biography: successively Deputy Commanding General and Commanding General, Eighth Air Force, 1945; Assistant Chief of Staff, Operations, HQ USAAF, 1946-1947; Director of Training and Requirements, HQ USAF, 1947-1948; Commander, Fifth Air Force, 1948-1951; Commander, Air Research and Development Command, 1951-1953; Commander, Far East Air Forces, 1954-1955; Commander-in-Chief, Continental Air Defense Command and Air Defense Command, 1955-1959; retired July 1959.

Interview Coverage: 1945-1959

Interviewer: Thomas A. Sturm and Hugh N. Ahmann

Date of Interview: 23-25 April 1974

Interview Medium: Transcript - Paper

Pages: 661

Finding Aids: AFHRA 729

Location: AFHRA

Paschall, LTG Lee M.

Air Force Defense Communications Agency

Subject: Communications - Air Force

Contents: Handling of leased communications procurement for Air Defense Command; semiautomatic ground equipment communications; development of Cheyenne Mountain complex; Defense Communications Agency, especially establishment of Defense Commercial Communications Office; Project Blue Sky (failed program to transfer funds electronically); automated management; relations with Atlantic Telephone & Telegraph; relations with International Business Machines; relations with Radio Corporation of America; automatic digital network; automatic voice switching network; efforts to centralize communications management; AWACS; Defense Satellite Program; NATO Integrated Communications System; Scope Creek Program (field trials of technical equipment); military communications satellites; wisdom of direct SECDEF control of Defense Communications Agency.

Interviewer: LTC Gerald T. Hager, USAF, Air War College, for USAF Oral

Date of Interview: 27 December 1983

Interview Medium: Transcript - Paper

Pages: 121

Finding Aids: AFHRA 1563

Location: AFHRA

Patton, Harold

Navy Naval Ordnance Test Station (NOTS)

Subject: Research and Development - Navy

Contents: Recollections of early experiences as an early employee of NOTS, work on rocket projects; management career at NOTS, including work as the head of the Rocket Development Department; work

solving engineering problems in the field; discussion of technical problems and innovations of the 2-inch Gimlet; discussion of prevailing management philosophy at NOTS; work on Sidewinder program; comments on the transition from rocket development to guided missile research

Interview Coverage: 1948-1970s

Interviewer: Elizabeth Babcock

Date of Interview: 4 September 1989

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 95

Location: NWC

Pauly, GEN John W.

Air Force Air Force - Air Staff

Subject: Procurement - Air Force

Contents: Skybolt; SR-71; National War College; Minuteman; B-1; F-15; all-weather capability.

Biography: Purchasing and contracting officer in postwar period

Interview Coverage: 1945-1980

Interviewer: Dr. James C. Hasdorff

Date of Interview: 28-29 July 1981

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 246

Finding Aids: AFHRA 1279

Location: AFHRA

Pehrson, Gordon

Navy

Subject: Program Management - Navy

Contents: Recollections of program management concepts during involvement with the Polaris program; use of Program Evaluation Review Technique (PERT)

Biography: Head, Plans and Projects Division of the Special Projects Office for Polaris

Interview Coverage: 1950s-1960s

Interviewer: unknown

Date of Interview: February 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 66

Location: NWCM; USNA; USNI

Peterson, COL Leonard R.

Air Force Air Force - Logistics Command

Subject: Contracts - Air Force

Contents: Construction projects; function of Facilities Board; 2750th Air Base Wing (ABW); 2750th ABW Contracting Division; small business

office; awarding of contracts; 2750th Logistics Squadron; 2046th Communications Group; base utilities; communications technology; USAF Engineering Data Support Center; USAF Electronic Support Division; Dirty Dozen Projects (base projects awaiting completion); relations with HQ AFLC; future of Wright-Patterson AFB.

Interviewer: Lois E. Walker, 2750th ABW History Office

Date of Interview: 5 June, 27 June, 6 October 1984

Interview Medium: Transcript - Paper

Pages: 236

Finding Aids: AFHRA 1713

Location: AFHRA

Phillips, GEN Samuel C.

Air Force

Subject: **Research and Development - Air Force**

Contents:

Biography: Director, Minuteman ICBM Program, August 1959 - October 1964. Director, Apollo Manned Lunar Landing Program, October 1964 - September 1969. Commander, Space and Missile Systems Organization, Air Force Systems Command, September 1969 - August 1972. Director, National Security Agency/Central Security Service, August 1972-1973. Commander, Air Force Systems Command, 1973-September 1975.

Interviewer: Richard H. Kohn

Interview Medium: Transcript - Paper

Editor: Jacob Neufeld

Title: "Reflections on Research and Development in the United States Air Force"

Place of Publication: Washington DC

Publisher: Center for Air Force History

Date of Publication: 1993

Phillips, MG James F.

Air Force Air Force - Systems Command

Subject: **Research and Development - Air Force**

Contents: Postwar guided missiles; abolition of R&D Board; Weapon Systems Evaluation Group (WSEG); Cambridge Research Center; in-house research and development; Project LINCOLN.

Interview Coverage: 1945-1966

Interviewer: Arthur K. Marmor

Date of Interview: 24 June 1966

Interview Medium: Transcript - Paper

Pages: 17

Finding Aids: AFHRA 787

Location: AFHRA

Piehl, LTG Donald

Army Army - Office of Assistant Secretary for RD&A

Subject: **Research and Development - Army**

Contents: Drawdown in 1990s; contract negotiations; military reformers;

Army roles and missions; R&D reorganization; ammunition plants; Bradley infantry fighting vehicle; helicopters; tank designs; DIVAD (Sergeant York); Patriot; equipping the soldier; decision to retire.
Biography: Military Deputy, Assistant Secretary of the Army for Research, Development and Acquisition

Interviewer: Dwight Oland

Date of Interview: 21 April 1992

Place of Interview: Sacramento, CA

Interview Medium: Transcript - Paper

Piehl, LTG Donald

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: remarks about Packard Commission; Goldwater-Nichols Act; decentralization of acquisition management; managing acquisition; major Army systems of 1980s; relations with GEN Carl Vuono; relations with Congress.

Biography: Military Deputy, Assistant Secretary of the Army for Research, Development and Acquisition

Interviewer: Dwight Oland

Date of Interview: 16 January 1991

Place of Interview: Pentagon, Washington DC

Interview Medium: Transcript – Paper

Piehl, LTG Donald

Army **Army - Office of Assistant Secretary for RD&A**

Subject: **Research and Development - Army**

Contents: Description of duties; relations with Congress and Army staff; career in armor.

Biography: Military Deputy, Assistant Secretary of the Army for Research, Development and Acquisition

Interviewer: Dwight Oland

Date of Interview: 18 October 1990

Place of Interview: Washington DC

Interview Medium: Transcript - Paper

Pinson, MG Earnest A.

Air Force **Air Force - Institute of Technology**

Subject: **Research and Development - Air Force**

Contents: Nuclear physics; biophysics; Los Alamos Scientific Laboratory; human physiology of absorption, distribution and excretion of tritium; radiation dosimetry from nuclear explosions.

Biography: Commandant, AFIT

Interviewer: Dr. James C. Hasdorff

Date of Interview: 8 December 1988

Length of Interview: 5:00 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1853

Location: AFHRA

Pittenger, RADM Richard

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Program Management - Navy**

Contents: Discussion of early anti-submarine warfare (ASW) research in NAVMAT in the ASW Program Office, PM-4; discussion of the dis-establishment of NAVMAT and establishment of SPAWAR; comments on the development of PD 80, formerly SPAWAR's ASW Program Directorate, and OP-71, the Office of the Chief of Naval Operations' Director of ASW Division; discussion of SPAWAR's interactions with the SYSCOMs; descriptions of problems with oversight and sea testing, ambiguities in the relationships between the ASW and WSA&E functions within SPAWAR

Interview Coverage: 1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 28 February 1990

Length of Interview: 2 tapes

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 21

Location: DTRC

Plain, Dr. Gilbert

Navy **Naval Ordnance Test Station (NOTS)**

Subject: **Research and Development - Navy**

Contents: Discussion of early career, move from MIT to NOTS; work on Aircraft Sights; comments about the start of the Sidewinder program, position as Head of Properties of Matter; discussion of NOTS/NWC commanders since 1949, comments about aspects of base operations; effects of Freedom of Information Act (FOIA), morale problems at NOTS

Interview Coverage: 1940s-1960s

Interviewer: Elizabeth Babcock

Date of Interview: 9 December 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: NWC; DTRC

Plessett, Ernst

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: Relations between RAND and USAF, others; Technology Capabilities Panel; ICBM studies; Project Feedback

Biography: Douglas Aircraft/RAND physicist

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 9 February 1988

Length of Interview: 1.75 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 29

Location: NASM

Poe, GEN Bryce, II

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Lack of funds for peacetime operation stocks and war reserves; industrial capacity problems; declining industrial base; centralization of all consumables under Defense Logistics Agency; dangers of Air-Force contracting-out initiatives; impact of foreign military sales on support capability of USAF aircraft; congressional obstacles; contemporary airplane shortages; aircraft corrosion problems.

Biography: Commander, Air Force Logistics Command

Interview Coverage: 1978-1981

Date of Interview: 12 March 1981

Interview Medium: Transcript - Paper

Pages: 213

Finding Aids: AFHRA 1283

Location: AFHRA

Poe, GEN Bryce, II

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Vandenberg and missiles; signals intelligence (SIGINT).

Biography: Commander, Air Force Logistics Command

Interviewer: CPT Barry J. Anderson, USAF; 1LT Wayne D. Perry, USAF; Dr.

Date of Interview: 4-6 November 1986; 18-19 June 1987; 8-10 June 1979

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 224

Finding Aids: AFHRA 1729

Location: AFHRA

Pollard, Dale

Army Army - Operations Support Command

Subject: **Logistics - Army**

Contents: Discussion of 56-year career in federal service; technology advancements at LCAAP; ammunition research and development; "Small Caliber Ammunition Modernization Program"; contractor history at LAACP

Biography: Contracting Operations Officer, Lake City Army Ammunition Plant (LCAAP)

Interview Coverage: 1940s-1990s

Interviewer: Thomas J. Slattery

Date of Interview: 10 June 1997; 8 January 2000

Interview Medium: Transcript - Paper

Access Information: open - printed and distributed

Pages: 20

Location: USAOSC

Powers

Kenneth

Navy

Naval Ordnance Test Station (NOTS)

Subject: **Program Management - Navy**

Contents: Discussion of first assignment at NOTS, problems with contractors for the Sidewinder Missile; relations with the Bureau of Weapons (BUWEPS); discussion of the development of the Sidewinder; differences between NOTS and NWC; description of NOTS/NWC's relationship with Navy people in Washington; remarks about the reasons for the success of the Sidewinder program

Interview Coverage: 1940s-1970s

Interviewer: Elizabeth Babcock

Date of Interview: 18 May 1981

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 34

Location: NWC; DTRC; NHC

Prather, MG Thomas Levi Jr.

Army

Army - Materiel Command

Subject: **Acquisition - Army**

Biography: DCS Research, Development, & Acquisition

Date of Interview: 11 April 1995

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

Price, Don K., Jr.

Hoover Commission II (1953-1955)

Subject: **Hoover Commission I (1947-49)**

Biography: Member, Hoover Commission I, 1947-1949; Dean, Graduate School of Public Administration, Harvard University; Director, SSRC, 1964-1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 32

Location: Hoover Library

Probus, Dr. James H.

Navy

Navy - Navy Laboratories

Subject: **Program Management - Navy**

Contents: Discussion of career and promotion of Director of Navy Laboratories (DNL); impression of Navy labs upon assuming DNL position; problems with program oriented funding; problems with implementing the systems approach; role of COs and TDs in program management; remarks about the selection of TDs; role of

laboratories in the DSARC-DNSARC process; ATOWG, NSAP,
and the Corporate Plan, value of the DNL's military deputy

Biography: Director of Navy Laboratories

Interviewer: Dr. David K. Allison

Date of Interview: 27 July 1983

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 47

Location: DTRC

Probus, Dr. James H.

Navy Navy - Navy Laboratories

Subject: **Program Management - Navy**

Contents: Discussion of the Mk 48 Torpedo program; discussion of interviewee's professional background and previous assignments; discussion of how different roles and missions are assigned to Navy labs and R&D centers; comments about the Navy R&D reorganization in the early 1970s; remarks about relations among the labs, industry, and the SYSCOMs; lengthy discussion of strategic planning of the Navy's torpedo programs (light, medium, and heavy-weight torpedo development); technical discussion of torpedo development issues

Biography: Director of Navy Laboratories

Interviewer: Dr. Joseph Marchese

Date of Interview: 24 July 1989

Length of Interview: 3 tapes

Interview Medium: Transcript - Paper

Access Information: Open

Location: DTRC

Probus, Dr. James H.

Navy Navy - Navy Laboratories

Subject: **Acquisition - Navy**

Contents: Discussion of the dis-establishment of NAVMAT, effects of the Navy R&D reorganization of 1985 on Navy laboratories; acquisition program management remarks

Biography: Director of Navy Laboratories

Interviewer: Dr. David K. Allison

Date of Interview: 20 June 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 15

Location: DTRC

Putt, LTG Donald L.

Air Force Air Force - Air Research and Development

Subject: **Research and Development - Air Force**

Contents: Early jet aircraft; Air Force establishment; Army Air Force/Air Force research and development; B-47 development; Air Research and Development Command (ARDC) establishment; U.S. versus

Soviet early missile development; Atlas missile; B-70 program cancellation; lack of long-range interceptor aircraft; total package procurement (TPP) contract methodology; Secretary of Defense Charles Wilson.

Interview Coverage: 1945-1958

Interviewer: Dr. James C. Hasdorff

Date of Interview: 1-3 April 1974

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 250

Finding Aids: AFHRA 724

Location: AFHRA

Pyatt, Everett

Navy **Navy - Naval Material Command (NAVMAT)**

Subject: **Acquisition - Navy**

Contents: Discussion of the establishment of SPAWAR and dis-establishment of NAVMAT; comments about the effectiveness of NAVELEX and NAVMAT, reasons for the establishment of SPAWAR; work of SPAWAR in WSA&E; opinion about placing WSA&E functions under the control of SYSCOMs; relationship between Assistant Secretary of the Navy (S&L) and the Office of the Chief of Naval Research

Biography: Assistant Secretary of the Navy for Shipbuilding and Logistics

Interviewer: Dr. Joseph Marchese

Date of Interview: 21 May 1990

Length of Interview: 1 tape

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 9

Location: DTRC

Quade, Edward

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: career at RAND; role in preparing USAF strategic bomber studies; development of systems analysis at RAND; RAND and Wohlstetter studies; source of term 'systems analysis'; cost issues is systems analysis; impact of computer on systems analysis

Biography: RAND mathematician/analyst

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins

Date of Interview: 18 February 1988

Length of Interview: 3.5 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 46

Location: NASM

Quarles, Donald A.

Air Force **Air Force - Secretary**

Subject: **Secretary - Air Force**

Biography: Secretary of the Air Force, 1955-1957

Interview Medium: Transcript - Paper

Access Information: Open

Location: Eisenhower Library

Raborn, ADM William F.

Navy

Subject: **Acquisition - Navy**

Contents: Discussion of interviewee's role and work as Director of the Special Projects Division on the Polaris program

Biography: Director of the Special Projects Division, Polaris Program

Interview Coverage: 1950s-1960s

Date of Interview: September 1972

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 71

Location: NHC; NWCM; USNA; USNI

Randolph, BG Bernard P.

Air Force **Air Force - Air Staff**

Subject: **Research and Development - Air Force**

Biography: Deputy Chief of Staff for Research, Development and Acquisition, HQ USAF; Deputy Program Director/Program Director, Air Force Satellite Communications System.

Interviewer: Jacob Neufeld

Date of Interview: 8 July 1982

Interview Medium: Transcript - Paper

Pages: 8

Finding Aids: AFHRA 1606

Location: AFHRA

Raney, Dr. William

Navy **Navy - Secretary**

Subject: **Research and Development - Navy**

Contents: Comments on the role of the National Research Council of the National Academy of Science in military R&D; role of the Director of Navy Laboratories (DNL) in dealing with the Sherwin Plan; discussion of the beginnings of the DNL/DLP and its first development in Navy R&D; introduction of the systems approach in lab operations

Biography: Special Assistant to the Assistant Secretary of the Navy for Research and Development (ASN - R&D)

Interview Coverage: 1950s-1960s

Interviewer: Dr. Vincent Ponko

Date of Interview: 29 November 1980

Length of Interview: 3 tapes

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 47

Location: DTRC

Rawlings, GEN Edwin W.

Air Force **Air Force - Air Materiel Command**

Subject: **Research and Development - Air Force**

Contents: Settlement of wartime contracts; Comptroller School; B-36 controversy; allocation of funds to services; Air Research and Development Command (ARDC) establishment; "Teapot Committee" and research and development; Project PAPER CLIP; GEN Schriever and Western Development Command; computers in Air Force; contracting methods for weapon systems; solid-fuel rockets; U-2; B-58 and SAC; ARDC.

Biography: Commander, Air Material Command

Interview Coverage: 1945-1972

Interviewer: Hugh N. Ahmann

Date of Interview: 18-19 June 1979

Interview Medium: Transcript - Paper

Pages: 118

Finding Aids: AFHRA 1134

Location: AFHRA

Raymond, Arthur

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: Douglas Aircraft and RAND; NACA committees in the 1950s; USAF bombing studies; relations with USAF, others; NASA contracts

Biography: Douglas Aircraft engineer; RAND engineer

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins

Date of Interview: 25 July 1986; 9 January 1987; 25 July 1987

Length of Interview: 6 hours

Interview Medium: Transcript - Paper

Access Information: permission required to quote, cite or reproduce

Pages: 84

Location: NASM

Reddell, MG William H.

Air Force **Air Force - Logistics Command**

Subject: **Logistics - Air Force**

Contents: Strategic Air Command; Air Command and Staff College (ACSC), Huntsville, AL; advanced logistics systems; impact of Vietnamization policy of 1970 on San Antonio Air Materiel Area (SAAMA); career and influence of GEN John D. Ryan.

Biography: Commander, SAAMA, AFLC, Kelly AFB, TX, April 1969 - July 1972

Interviewer: Benedict D. Larosa
Date of Interview: 1 November 1979
Interview Medium: Transcript - Paper
Pages: 57
Finding Aids: AFHRA 1745
Location: AFHRA

Reed, Jerry

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Test and Evaluation - Navy**

Contents: Perceptions of NWC's role in the Navy and changes in that role; comments about Center relationships with headquarters and the Fleet; military-civilian relationships at the Center; changes in the T&E requirements and planning over the years; the advantages of competition in R&D

Interviewer: Leroy L. Doig, III
Date of Interview: 13 July 1983
Interview Medium: Transcript - Paper
Access Information: access limited
Pages: 23
Location: NWC

Reed, Thomas C.

Air Force **Air Force - Secretary**

Subject: **Program Management - Air Force**

Contents: Events leading to selection as Secretary of the Air Force in 1973; role of Secretary of the Air Force; evaluation of Project SANGUINE/SEAFARER antenna system for communications with submarines; review of Air Force contribution to national military command and control communications; trend of Secretaries of the Air Force having engineering backgrounds; maintenance backlog; Secretary of the Air Force (SAF) office staffing; access to Secretary of Defense; DoD policy disagreements; involvement with approval and procurement of new weapon systems; intercontinental ballistic missile (ICBM) modernization; Deputy Secretary of Defense Clements; problem of bureaucratic layering.

Biography: Successively Assistant to the Secretary and Assistant Secretary of Defense, 1973-1974; Director of Telecommunications and Command and Control Systems, Department of Defense, 1974-1975; Secretary of the Air Force, 1975-1976.

Interview Coverage: 1973
Interviewer: LTC Vaughn H. Gallacher, USAF, and Hugh N. Ahmann, USAF
Date of Interview: 23 February 1977
Interview Medium: Transcript - Paper
Pages: 78
Finding Aids: AFHRA 944
Location: AFHRA

Reese, MG Thomas D.

Army **Army - Missile Command**

Subject: **Research and Development - Army**
Contents: End-of-tour interview; Army Materiel Command (AMC); MICOM; matrix management concept; SARDA.
Biography: Deputy Commanding General for Research and Development, U.S. Army Missile Command (MICOM), 1982 - January 1985; Assistant Division Commander (Maneuver), 5th Infantry Division (Mechanized); Commander, MICOM, May 1986 - July 1988
Interview Coverage: 1986-1988
Interviewer: Michael E. Baker and Kaylene Hughes
Date of Interview: 6 July 1988
Interview Medium: Transcript - Paper
Pages: 12
Location: USAAMCOM

Reich, VADM Eli T.

Navy **Navy - Office of Naval Research (ONR)**

Subject: **Acquisition - Navy**
Contents: Discussion of the organization of research and development within the Department of Defense and Department of the Navy after Sputnik; Navy community reaction to the creation of the OP-702 organization (Research and Development Budget Coordination and Management); remarks about the early days of Navy RDT&E; description of the origin of the three-part and (later) six-part division of Navy R&D funding; interviewee's opinion of the overemphasis on research in the Navy, suggestion about the ideal way to set up a systems acquisition activity
Biography: Director of the Surface Missile Systems Project; Deputy Assistant Secretary of Defense for Production, Engineering, and Acquisition
Interview Coverage: 1950s-1975
Interviewer: Booz, Allen and Hamilton
Date of Interview: 10 February 1975
Length of Interview: 1 tape
Interview Medium: Tape - Audio
Access Information: Open
Location: DTRC

Reich, VADM Eli T.

Navy

Subject: **Acquisition - Navy**
Contents: Continuation of earlier interview; discussion of career post-1963; Talos Missile; Tartar Missile; Terrier Missile
Biography: Director of the Surface Missile Systems Project; Deputy Assistant Secretary of Defense for Production, Engineering and Acquisition
Interview Coverage: 1963-1978
Interviewer: unknown
Date of Interview: February 1979; January 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 681

Location: USNA; USNI; NWCM

Reich, VADM Eli T.

Navy

Subject: **Research and Development - Navy**

Contents: Discussion of naval career, submarine command during WWII; post-war command of the missile cruiser USS CANBERRA; work on investigative studies of Tartar, Terrier, and Talos missile programs

Biography: Director of the Surface Missile Systems Project; Deputy Assistant Secretary of Defense for Production, Engineering, and Acquisition

Interview Coverage: 1950s

Interviewer: unknown

Date of Interview: April 1978; January 1979

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 520

Location: NHC; USNA; USNI; NWCM

Rexroth, John

Navy

Navy - Bureau of Ordnance

Subject: **Research and Development - Navy**

Contents: Discussion of work at BUORD as project officer; work on fire control project, work with contractors, target designation work, Research and Development Board; comments about navy support for applied research; Dr. Frank Tanczoz; adverse effect of Polaris on navy R&D programs; comments about the establishment of the Assistant Secretary of the Navy for Research and Development (ASN R&D); tenure as TD at BUWEPS; contact with Applied Physics Lab; discussion of negative impact of releasing labs from the bureaus and SYSCOMs; evaluations of Dr. Robert Frosch and Dr. William Raney as R&D leaders; comments about the impact of Robert S. McNamara on navy R&D procedures; problems faced by the navy in the 1970s.

Biography: Navy BUORD Project Officer

Interview Coverage: 1950s-1970s

Interviewer: Dr. Vincent Ponko

Date of Interview: 5 December 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 46

Location: DTRC

Rexroth, John

Navy

Navy - Bureau of Ordnance (BUORD)

Subject: **Research and Development - Navy**

Contents: Discussion of work as a project officer in BUORD; liaison work with

contractors and the Research and Development Board; remarks about support for applied research, and the adverse influence of the Polaris program and other projects

Interviewer: Dr. Vincent Ponko

Date of Interview: 5 December 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 46

Location: DTRC

Rhodarmer, MG Roger K.

Air Force

Subject: **Program Management - Air Force**

Contents: F-15 aircraft development; conflict with Navy over F-14 aircraft.

Interview Coverage: 1973

Interviewer: Jacob Neufeld

Date of Interview: 29 March 1973

Interview Medium: Transcript - Paper

Pages: 36

Finding Aids: AFHRA 972

Location: AFHRA

Rhodes, LTG George

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Centralized versus decentralized logistics; restructuring of Taiwanese Air Force logistics support; current Air Force Logistics Command activities; organic software capability; fixed-price contracting; need for more people who understand industrial side of logistics.

Interviewer: LTC Michael Handerhan

Date of Interview: 10 December 1984

Interview Medium: Transcript - Paper

Access Information: Pending

Pages: 80

Finding Aids: AFHRA 1625

Location: AFHRA

Richardson, BG Robert C. III

Air Force Air Force - Logistics Command

Subject: **Research and Development - Air Force**

Contents: Effectiveness of Army Atomic Cannon; Air Force Systems Command (AFSC) and European technology; duties in AFSC; Advanced Research Project Agency (ARPA); AFSC's handling of operational requirements for all commands; R&D cost impact on model improvement and procurement.

Biography: US Military Representative, European Defense Community, 1954-1955; Military Representative, NATO Council, 1962-1964; Deputy Chief of Staff, Science and Technology, HQ Air Force

Systems Command, 1964-1966; Deputy Commander, Defense Atomic Support Agency, Joint Chiefs of Staff, 1967; retired August 1967.

Interviewer: Hugh N. Ahmann

Date of Interview: 14 June 1983

Interview Medium: Transcript - Paper

Pages: 211

Finding Aids: AFHRA 1560

Location: AFHRA

Rigby, MG Joseph W.

Army Army - Missile Command

Subject: Research and Development - Army

Contents: Accessible via <http://www.redstone.army.mil/history/oral/rigby.html>

Biography: Deputy Chief of Staff for Research, Development and Engineering, Headquarters, Army Materiel Command; Commanding General, U.S. Army Missile Command (MICOM), Redstone Arsenal, AL, July 1992 - June 1994

Interview Coverage: 1992-1994

Interviewer: Michael E. Baker and Claus R. Martel

Date of Interview: 3 June 1994

Interview Medium: Tape - Video

Location: USAAMCOM

Riggs, Leroy

Navy Navy - Naval Weapons Center (China Lake)

Subject: Research and Development - Navy

Contents: Discussion of career in Navy RDT&E; reminiscences on programs including folding fin aircraft rockets, Shrike, HARM, Battu (Bat II)/Corvus, Ram, BOAR, Sidewinder, and NOTSNIK; material on Shrike program problems, including contractor difficulties; detailed information on the HARM program; discussion of the creation of the Naval Weapons Center from NOTS and NOLC; beginnings of the NOTS Project (NOTSNIK) satellite; comments about the "Freeman Era" at China Lake; discussion of the growth of electronic warfare research at NWC; comments about in-house versus industry development of technology

Interview Coverage: 1950s-1970s

Interviewer: Leroy L. Doig, III

Date of Interview: 18-29 June 1982

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 113

Location: NWC

Ritland, MG Osmond J.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: Career in Air Force research and development; tests of over 200

different types of aircraft, including jets, P-59 and P-80; obstacles in development of ejection seat; role in development of extensive Air Force testing and training program; development of U-2; involvement in ballistic missile program; evaluation of Air Force research, development, contracting, procurement and management policies.

Interviewer: LTC Lyn R. Officer, USAF

Date of Interview: 19-21 March 1974

Interview Medium: Transcript - Paper

Pages: 373

Finding Aids: AFHRA 722

Location: AFHRA

Rogers, LTG Felix M.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Improvements in weapon systems acquisition; establishment of Air Force Acquisition Logistics Division (AFALD); increased expense of weapon systems; life-cycle costing; reliability improvement warranties; contractor versus organic maintenance; technology repair center concept; management problems associated with simultaneous introduction of F-16 into Air Force inventory and inventories of participating European governments; propulsion system problems; return of complete engine management to Air Force Systems Command (AFSC); Air Force weakness in business and logistics skills in terms of weapon systems management; Air Force Logistics Command combat readiness; war reserve materiel shortages; AFLC capability to support 30-day scenario; pacer readiness augmentation requirement and surge capabilities; micromanagement by higher levels; interservice cooperation in logistics arena and materiel distribution study; lessons learned from advanced logistics system experience; Project MAX; new logistics concepts brought about by E-3, F-16 and B-1 aircraft; depot plant modernization program; status of management information system (MIS) computer; responsibilities in foreign military sales mission.

Biography: Commander, 77th Fighter Group, Shaw AFB, SC; Intelligence Staff Officer, HQ USAF, Washington DC; Assistant Air Attaché, Space, 1953-1957; Director of Secretariat, Air Force Council Designated System Command Management Group, Air Staff Board; Deputy Chief of Staff, Development Plans, Air Force Systems Command; Deputy Chief of Staff for Technical Training, HQ Air Training Command (ATC); Vice Commander, ATC; Commander, Air University; Commander, Air Force Logistics Command

Interview Coverage: 1977

Interviewer: Robert J. Smith

Date of Interview: 20 December 1977

Interview Medium: Transcript - Paper

Access Information: SECRET

Pages: 707

Finding Aids: AFHRA 1037

Location: AFHRA

Rogers, LTG Felix M.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Biography: Commander, 77th Fighter Group, Shaw AFB, SC; Intelligence Staff Officer, HQ USAF, Washington DC; Assistant Air Attaché, Space, 1953-1957; Director of Secretariat, Air Force Council Designated System Command Management Group, Air Staff Board; Deputy Chief of Staff, Development Plans, Air Force Systems Command; Deputy Chief of Staff for Technical Training, HQ Air Training Command (ATC); Vice Commander, ATC; Commander, Air University; Commander, Air Force Logistics Command

Interview Coverage: 1945-1978

Interviewer: MAJ Scottie S. Thompson, USAF

Date of Interview: 1 August 1980

Interview Medium: Transcript - Paper

Pages: 338

Finding Aids: AFHRA 1194

Location: AFHRA

Rogers, LTG Felix M.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: TFX (F-111) aircraft; concept of prototype aircraft; aircraft development; advantages and disadvantages of F-15 and F-16 aircraft; single- versus dual-engine aircraft; need for radar in aircraft; quality versus quantity in air-to-air warfare

Biography: Commander, 77th Fighter Group, Shaw AFB, SC; Intelligence Staff Officer, HQ USAF, Washington DC; Assistant Air Attaché, Space, 1953-1957; Director of Secretariat, Air Force Council Designated System Command Management Group, Air Staff Board; Deputy Chief of Staff, Development Plans, Air Force Systems Command; Deputy Chief of Staff for Technical Training, HQ Air Training Command (ATC); Vice Commander, ATC; Commander, Air University; Commander, Air Force Logistics Command

Interview Coverage: 1974

Interviewer: Jacob Neufeld

Date of Interview: 17-18 July 1984

Interview Medium: Transcript - Paper

Access Information: SECRET

Pages: 65

Finding Aids: AFHRA 965

Location: AFHRA

Rowe, James H., Jr.

Hoover Commission II (1953-1955)

Subject: **Hoover Commission I (1947-49)**

Biography: Member, Hoover Commission II, 1948-1949

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 23

Location: Hoover Library, Stanford University

Rowntree, Dr. Robert F.

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of career at NWC; early introduction to operations research; discussion of the establishment of the Navy Scientific and Technical Intelligence programs, including STILO; beginnings of the Joint Munitions Effectiveness Manuals; work on weapons requirements studies, nuclear weapons studies, planning and budgeting systems; detailed discussion of the origins, operations, and contributions of the Vietnam Laboratory Assistance Program (VLAP); discussion of block funding; discussion of the technology base funding bureaucracy and decline of tech work in the Navy.

Interviewer: Leroy L. Doig, III

Date of Interview: 7, 21 June 1989

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 119

Location: NWC

Rubery, Daniel J.

Army **Army - Aviation and Missile Command**

Subject: **Research and Development - Army**

Contents: Accessible via
<http://www.redstone.army.mil/history/oral/rubery.html>

Biography: Deputy to the Commander for Business Management and Strategic Planning, U.S. Army Missile Command (MICOM), Redstone Arsenal, AL; Deputy to the Commander/Executive Director, Integrated Materiel Management Center, U.S. Army Aviation and Troop Command; Deputy to the Commanding General, U.S. Army Aviation and Missile Command (AMCOM), Redstone Arsenal, AL, August 1998 - June 2000

Interview Coverage: 1998-2000

Interviewer: Michael E. Baker and Claus R. Martel

Date of Interview: 13 June 2000

Interview Medium: Tape - Video

Location: USAAMCOM

Ruckner, RADM Edward A.

Navy **Navy - Bureau of Ordnance**

Subject: **Research and Development - Navy**

Contents: Discussion of Bureau of Ordnance (BUORD) objectives,

differences between BUORD work and work of other bureaus; discussion of lab evaluation process; discussion of contractor selection process; discussion of trends in BUORD work between 1940-1948; discussion of how R&D money was secured; comments about BUORD's relationships with OPNAV, DCNO, ASN (R&D); discussion of major trends in Navy R&D between 1958-1973; expansion of DDR&E staff; comments about the centralization of Navy labs into Centers.

Biography: Assistant Chief for R&D, Bureau of Ordnance

Date of Interview: 9 September 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 87

Location: DTRC

Ruegg, LTG Robert G.

Air Force Air Force - Air Staff

Subject: **Logistics - Air Force**

Contents: XF-80 aircraft (jet fighter); flying wing; XB-49 aircraft; X-1 aircraft; test pilot BG C.E. "Chuck" Yeager; Alaskan Air Command; Air Research and Development Command; nuclear testing experiences; aircraft laboratory; Industrial College of the Armed Forces; GEN B.A. Schriever; Dr. E. Teller; Dr. Von Neumann; missile procurement and spares programs; procurement policy; effects of closure of overseas depots on logistic support of systems; B-58 aircraft research and development; B-70 aircraft research and development; C-47 aircraft; B-26 aircraft; T-28 aircraft; problems in F-111 aircraft development; Defense Supply Agency; C-5 aircraft system development; F-5 aircraft system development; F-104 aircraft system development; ; logistical support of materials for conflict in Southeast Asia; Navy's use of F-4, F-111 and A-7 aircraft; Secretary of Defense M.R. Laird

Biography: Deputy Chief of Staff for Operations, Alaskan Air Command; Senior Air Force Liaison Officer, Assistant Secretary of Defense for Research and Development, July 1954; Deputy Director of Procurement and Production, Deputy Chief of Staff for Materiel, USAF, November 1955; Deputy Director for Logistics, Joint Chiefs of Staff, November 1958; Deputy Chief of Staff for Systems and Logistics, October 1964; Commander, Alaskan Command, August 1969; Commander, Alaskan North American Aerospace Defense Command (NORAD) Region

Interviewer: CPT Mark C. Cleary, USAF

Date of Interview: 13-14 February 1984

Interview Medium: Transcript - Paper

Pages: 195

Finding Aids: AFHRA 1571

Location: AFHRA

Rumpf, Richard

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Program Management - Navy**

Contents: Discussion of disestablishment of NAVMAT and creation of SPAWAR; comments about the effects of Dr. Colvard's "Haul Down" report on the transition from NAVMAT to SPAWAR; discussion of the rationale for transferring control of the R&D centers from OCNR to SPAWAR; details of funding issues that plagued SPAWAR activities; brief history of ASW integration in the ASW program office (PM-4) and reasons that NAVAIR and NAVSEA absorbed ASW functions from SPAWAR; details of the space concept developed in the Navy; discussion of the transfer of the Director of Navy Labs to control of ASN/RD&A, comparison with period during which time DNL was "double-hatted" under NAVMAT; elaboration on ongoing funding issues for WSA&E and pending changes in SPAWAR.

Interview Coverage: 1960s-1980s

Interviewer: Dr. Joseph Marchese

Date of Interview: 23 April 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 28

Location: DTRC

Rumph, Ben

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: RAND career; work on USAF experimental tail-less aircraft; assignment to develop an aviation fact-book for SecDef James Forrestal; USAF SAC study; air-refueling study

Biography: RAND engineer

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 23 July 1987; 31 July 1987

Length of Interview: 4.75 hours

Interview Medium: Transcript - Paper

Access Information: permission required for access

Pages: 61

Location: NASM

Rushworth, Maj. Gen. Robert A.

Air Force **Air Force - Aeronautical Systems Division**

Subject: **Test and Evaluation - Air Force**

Contents: F-80C Shooting Star; Directorate of Flight and All-Weather Testing, Wright Air Development Center and flight testing of automatic flight control systems; Manned Spacecraft Operations Branch, Air Force Flight Test Center, Edwards AFB, CA; F-101 Voodoo; TF-102 Delta Dagger; X-15 rocket research aircraft;

Maverick program.

Biography: Experimental Flight Test Officer, Fighter Operations Branch, Edwards AFB, CA; Assistant Director, Flight Test Operations, Fighter Operations Branch, Edwards AFB, CA; Assistant Deputy Commander for Operations, Cam Ranh AB, Republic of Vietnam; Commander, 4950th Test Wing, Aeronautical Systems Division, Wright-Patterson AFB, OH

Interview Coverage: 1944-1971

Interviewer: Dr. James C. Hasdorff

Date of Interview: 14 April 1987

Length of Interview: 5:40 hours

Interview Medium: Tape - Audio

Access Information: Pending

Finding Aids: AFHRA 1746

Location: AFHRA

Rutherford, GEN Robert L.

Air Force U.S. Transportation Command

Subject: Logistics - Air Force

Contents: Discussion of career; mention of C-17 program; Global Transportation Network (GTN) project

Biography: Commander-in Chief, USTRANSCOM and Commander, USAF AMC

Interview Coverage: 1994-1996

Interviewer: Dr. James K. Matthews and Mr. Robert Cossaboom

Date of Interview: October 1996

Interview Medium: Transcript - Paper

Access Information: Open

Title: General Robert L. Rutherford: Commander-in-Chief, United States Transportation Command and Commander, Air Mobility Command

Pages: 92

Location: TRANSCOM

Ryan, Gen. John D.

Air Force Air Force - Chief of Staff

Subject: Test and Evaluation - Air Force

Contents:

Biography: Commander, Biggs AFB, TX; Carswell AFB, TX; Director of Materiel, Offutt AFB, NE; Commander, 16th Air Force, Aviano AB, Italy; Air Force Inspector General, 1963-1964; Vice Commander in Chief/Commander in Chief, Strategic Air Command (SAC), Offutt AFB, NE, 1964-1967; Commander in Chief, Pacific Air Forces, Hickam AFB, HI, February 1967 - August 1968; Vice Chief of Staff, August 1968 - August 1969; Chief of Staff, U.S. Air Force, HQ USAF, Washington DC, August 1969-1973

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 9 August 1979

Interview Medium: Transcript - Paper

Pages: 273

Finding Aids: AFHRA 1491

Location: AFHRA

Ryan, Gen. John D.

Air Force Air Force - Chief of Staff

Subject: Test and Evaluation - Air Force

Contents: F-111 testing in combat theater; munitions availability.

Biography: Commander, Biggs AFB, TX; Carswell AFB, TX; Director of Materiel, Offutt AFB, NE; Commander, 16th Air Force, Aviano AB, Italy; Air Force Inspector General; Commander in Chief, Strategic Air Command (SAC), Offutt AFB, NE, 1964-1967; Commander in Chief, Pacific Air Forces, Hickam AFB, HI, 1967-1968; Vice Chief of Staff/Chief of Staff, U.S. Air Force, HQ USAF, Washington DC, 1969-1973

Interview Coverage: 1964-1971

Interviewer: Col. John E. Van Duyn and Maj. Richard Clement

Date of Interview: 20 May 1971

Interview Medium: Transcript - Paper

Access Information: SECRET/NOFORN; Corona Harvest

Pages: 63

Finding Aids: AFHRA 476

Location: AFHRA

Ryan, Gen. John D.

Air Force Air Force - Chief of Staff

Subject: Test and Evaluation - Air Force

Biography: Commander, Biggs AFB, TX; Carswell AFB, TX; Director of Materiel, Offutt AFB, NE; Commander, 16th Air Force, Aviano AB, Italy; Air Force Inspector General; Commander in Chief, Strategic Air Command (SAC), Offutt AFB, NE, 1964-1967; Commander in Chief, Pacific Air Forces, Hickam AFB, HI, 1967-1968; Vice Chief of Staff/Chief of Staff, U.S. Air Force, HQ USAF, Washington DC, 1969-1973

Interview Coverage: 1945-1973

Interviewer: Dr. James C. Hasdorff

Date of Interview: 15-17 May 1979

Interview Medium: Transcript - Paper

Pages: 238

Finding Aids: AFHRA 1123

Location: AFHRA

Salter, Robert

Air Force RAND

Subject: Research and Development - Air Force

Contents: RAND Navy and USAF satellite studies; nuclear ramjet study for AEC; private and public support for R&D; RAND as program manager for early USAF satellite studies; work on Mass Reconnaissance System

Biography: RAND engineer

Interview Coverage: 1940s-1950s
Interviewer: Martin Collins and Joseph Tartarewicz
Date of Interview: 29 July 1986; 7 July 1987
Length of Interview: 4.5 hours
Interview Medium: Transcript - Paper
Access Information: use restrictions not established
Pages: 69
Location: NASM

Scarbrough, Coffee and Robert, Steven

Navy Navy - Space and Naval Warfare Systems

Subject: Program Management - Navy

Contents: Interview to gather information about the disestablishment of NAVMAT and establishment of SPAWAR; discussion of the role of Booz-Allen, Hamilton, Inc. in the 1981 reorganization of NAVELEX; discussion of the top-level people who were involved in the NAVELEX reorganization, details of problems with the implementation of transformation; remarks about funding problems that plagued the new organization; comments about the strengths of the reorganization and the reaction within NAVELEX to the transformation; impact of the 1981 reorganization on integrated systems engineering; discussion of Booz-Allen, Hamilton's role in the creation of the WSA&E function; role of Booz-Allen, Hamilton in the 1985-1986 reorganization of SPAWAR; comments on CDR Marvin Langston's involvement in WSA&E inception and the effect of the AEGIS program on WSA&E concepts; remarks on the effects of the Strategic Systems Program Office (SSPO) and VADM Glenwood Clark on the development of WSA&E.

Interviewer: Dr. Joseph Marchese and Alan Smith

Date of Interview: 9, 17 May 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 67

Location: DTRC

Schick, RADM George

Navy Navy - Space and Naval Warfare Systems

Subject: Program Management - Navy

Contents: Discussion of Schick's role, as commander of NAVELEX, in the acquisition process; work in a previous reorganization at NAVELEX; description of Secretary Lehman's preference for vertical management; comments about the reaction of other systems commands to the placement of the WSA&E function within SPAWAR.

Biography: Commander of NAVELEX

Interviewer: Dr. Joseph Marchese

Date of Interview: 29 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 17

Location: DTRC

Schiefer, Gerald

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Detailed discussion of the extensive research, development, test and evaluation (RDT&E) consolidation and closure program that took place after 1991; discussion of career, background, reason for selection to become DNL during this transitory period; remarks about relationships with commanding officer and technical directors at Navy research and development (R&D) centers; discussion of the role of the Office of the Secretary of Defense (OSD), Office of the Chief of Naval Operations (CNO), the Navy Secretariat, the R&D centers, the Navy engineering centers, the systems commands, and the DNL; speculation on the assignment of proper roles for the new full-spectrum centers, and whether a DNL position might be re-established in the future; comments on his major concerns regarding the new organization for Navy RDT&E, feelings about the consolidation, and the need for better corporate memory in the Navy.

Biography: Director of Navy Labs (DNL), 1990-1991

Interviewer: Dr. Joseph Marchese

Date of Interview: 1 November 1991

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 34

Location: DTRC

Schirra, CAPT Walter M.

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of work as Sidewinder test pilot between 1952-1954; comments on the value of the laboratory experience; discussion of the experimental officers he worked with (Moorer, Connolly, Walker); civilian-military relationship at China Lake; role of the Navy laboratories

Biography: Test Pilot, Naval Weapons Center (China Lake), 1952-1954

Interview Coverage: 1950s

Interviewer: Leroy L. Doig

Date of Interview: 26 June 1982

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 20

Location: NWC

Schnare, Clarence W.

Air Force **Air Force - Wright-Patterson Propulsion Laboratory**

Subject: **Research and Development - Air Force**

Contents: Research and development on propulsion units for X-1, X-2, X-15,

Atlas, Titan series, Minuteman, BOMARC, Navajo, and various aircraft; research on liquid oxygen, hydrogen and other propellants; nuclear rockets, ramjets and ion rocket research; USAF R&D organizational problems; relationship with Defense Development Research and Engineering (DDR&E) and Advanced Research Projects Agency (ARPA).

Biography: Chief, Propulsion Laboratory, Wright-Patterson AFB, OH/Edwards AFB, CA

Interview Coverage: 1945-1972

Interviewer: Dr. James C. Hasdorff

Date of Interview: 5-6 August 1975

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 304

Finding Aids: AFHRA 863

Location: AFHRA

Schoman, Dr. Charles M.

Navy Navy - David Taylor Research Center (DTRC)

Subject: **Program Management - Navy**

Contents: Discussion of the organization structure of the David Taylor Naval Ship Research and Development Center; discussion of work as Director of Plans and Programs; remarks about the Five Year Planning process and the work of Center committees.

Biography: Director of Plans and Programs, David Taylor Naval Ship Research and Development Center

Interviewer: Dr. David K. Allison

Date of Interview: 26 July 1982

Length of Interview: 1 tape; index

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Schriever, Bernard

Air Force RAND

Subject: **Research and Development - Air Force**

Contents: Hap Arnold's establishment of USAF Scientific Liaison Office; establishment of Scientific Advisory Board, Joint Research and Development Board; objections within USAF to increased technology development role; RAND role in operational analysis; debate over strategic bombing technology directions; criticism of McNamara's management of science and tech; Impact of JRDB; ICBM vs. IRBM debate; institutionalization of science and tech in USAF strategic planning

Biography: USAF Scientific Liaison Office member; RAND engineer/manager

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins

Date of Interview: 18 May 1990; 5 September 1990

Length of Interview: 3 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 38

Location: NASM

Schriever, GEN Bernard A.

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Biography: Commander, ARDC/AFSC

Interviewer: Richard H. Kohn

Interview Medium: Transcript - Paper

Editor: Jacob Neufeld

Title: "Reflections on Research and Development in the United States Air Force"

Place of Publication: Washington DC

Publisher: Center for Air Force History

Date of Publication: 1993

Schriever, Gen. Bernard A.

Air Force Air Force - Chief of Staff

Subject: Procurement - Air Force

Contents: Air Force missile program; relationships with Generals Twining, White, Vandenberg and Spaatz.

Biography: Commander, Air Force Systems Command (AFSC); Air Force Chief of Staff, HQ USAF, Washington DC

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 29 June 1977

Interview Medium: Transcript - Paper

Pages: 38

Finding Aids: AFHRA 1492

Location: AFHRA

Schriever, Gen. Bernard A.

Air Force Air Force - Chief of Staff

Subject: Procurement - Air Force

Contents: Feasibility of long-range missile program in 1953; Snark program; Navajo program; solid propellant systems; concurrency as less expensive contracting system in missile procurement; contribution of German scientific personnel to missile program; guidance systems in early missile programs; interservice rivalry in missile program; reorganization of Air Research and Development Command (ARDC) and Air Materiel Command (AMC) into Air Force Systems Command (AFSC); opposition of Gen. Curtis E. LeMay to reorganization; criticism of C-5A procurement method; Robert S. McNamara as Secretary of Defense; Project FORECAST and its advocates; neglect of conventional weapons after World War II; gunship as the most effective weapon in Southeast Asia; rivalry between Air Force commands.

Biography: Air Force Chief of Staff, HQ USAF, Washington DC

Interview Coverage: 1945-1970

Interviewer: Maj. Lyn R. Officer (USAF) and Dr. James C. Hasdorff, USAF

Date of Interview: 20 June 1973

Interview Medium: Transcript - Paper

Pages: 78

Finding Aids: AFHRA 676

Location: AFHRA

Schriever, Gen. Bernard A.

Air Force Strategic Defense Initiative Organization

Subject: **Ballistic Missile Defense**

Contents: GROUP INTERVIEW -- Other interviewed include Gen. Samuel C. Phillips, Dr. Ivan A. Getting, Lt. Gen. James H. Doolittle, and Gen. Robert T. Marsh

Interviewer: Dr. Richard Kohn and Dr. Hugh Ahmann

Date of Interview: 14 June 1985

Place of Interview: The Pentagon, Washington DC

Location: BMDO History Office

Schultz, Gen. Kenneth W.

Air Force Air Force - Air Research and Development

Subject: **Procurement - Air Force**

Contents: Postwar assignment to Wright Field Aircraft Laboratory; problems with A-26; testing of planes for allies; support of U-2s and Keflavik; Gen. Bernard A. Schriever as Commander of Air Research and Development Center (ARDC); duties of Special Project Officers (SPOs); assistant for MOL; differences between Dyna-Soar and MOL; NAVSTAR; MIRV capability; Minuteman project; PEM; funding problems with contractors; consolidation of Ballistic Missile and Space Systems divisions; Titan; TRADEX; creation of Space and Missile Test Center; Ramo-Wooldridge Corporation; creation of TRW; problems with C-5; F-111 and guns; SAMSO; construction of MX missile; surveillance satellites; navigation satellites; inferior work done by contractors; maintenance and launch of older missiles.

Interviewer: Lt. Col. Maurice Maryanow, USAF

Date of Interview: 27-30 October 1986

Interview Medium: Transcript - Paper

Pages: 327

Finding Aids: AFHRA 1728

Location: AFHRA

Schuyler, RADM Garret Lansing

Navy Navy - Bureau of Ordnance

Subject: **Program Management - Navy**

Contents: Discussion of post-World War II research and a special board that he served on which settled disputes between different sections of the Bureau of Ordnance (BUORD); remarks about Dr. Thompson's work at the Naval Proving Ground; remarks about other scientists serving at the Naval Proving Ground; discussion of the proximity

fuse and Eisenhower's military-industrial complex speech.

Interview Coverage: 1940s-1960s

Interviewer: Albert B. Christman

Date of Interview: May 1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 27

Location: NWC; DTRC

Seamans, Dr. Robert C., Jr.

Air Force Air Force - Secretary

Subject: Research and Development - Air Force

Contents: Association with National Advisory Committee on Aeronautics (NACA); relations with Dr. Jerome Hunsaker, Dr. Stark Draper, Hugh L. Dryden, James Doolittle; NACA missile efforts and operations at Goddard Space Flight Center, National Aeronautics and Space Administration (NASA), versus DOD space efforts; Atlas ICBM program; association between Massachusetts Institute of Technology (MIT) and NACA.

Biography: Secretary of the Air Force

Interview Coverage: 1945-1968

Interviewer: Walter Bonney

Date of Interview: 23 February 1973

Interview Medium: Transcript - Paper

Access Information: Permission required from interviewee to cite or quote

Pages: 21

Finding Aids: AFHRA 866

Location: AFHRA

Seamans, Dr. Robert C., Jr.

Air Force Air Force - Secretary

Subject: Research and Development - Air Force

Contents: Working relationship with other offices in Department of Defense; research, development and procurement of weapon systems, particularly C-5; F-15, vertical short take-off and landing (VSTOL) aircraft and electronic warfare devices; strategic and tactical weaponry; relations with Congress and White House.

Biography: Secretary of the Air Force

Interview Coverage: 1969-1973

Interviewer: Col. Lyn R. Officer (USAF) and Hugh N. Ahmann

Date of Interview: 24-27 September, 27 November 1973; 4 March 1974

Interview Medium: Transcript - Paper

Access Information: SECRET

Pages: 595

Finding Aids: AFHRA 687

Location: AFHRA

Senter, Lt. Gen. William D.

Air Force Air Force - Air Materiel Command

Subject: Logistics - Air Force

Contents: Air Weather Service; Oklahoma City AMA; relations with Gen. Mark E. Bradley; Air Materiel Command; DoD logistics policy.
Biography: Commander, 43rd Weather Wing, Luzon, Philippines, September 1945 - July 1946; Deputy Chief, Air Weather Service, Andrews AFB, MD, August 1950 - May 1954; Commander, Oklahoma City Air Materiel Area (AMA), Oklahoma City, OK, May 1954 - August 1957; Director of Procurement and Production, HQ Air Materiel Command, Wright-Patterson AFB, OH, August 1957 - August 1959; Deputy Chief of Staff for Materiel, HQ USAF, Washington DC, August 1959 - August 1963; Director of Petroleum Logistics Policy, Office of Assistant Secretary of Defense for Installations and Logistics, August 1963 - July 1966

Interview Coverage: 1945-1966

Interviewer: Lt. Col. Maurice Maryanow, USAF

Date of Interview: 6-7 January 1986

Interview Medium: Transcript - Paper

Pages: 267

Finding Aids: AFHRA 1692

Location: AFHRA

Sessums, Maj. Gen. John W.

Air Force Air Force - Air Research and Development

Subject: **Research and Development - Air Force**

Contents: AMC; National War College; ARDC.

Biography: Assistant to Deputy Commander, Air Materiel Command (AMC), Wright-Patterson AFB, OH; Vice Deputy Chief of Staff for Research and Development/Chief of Air Staff for Research and Development, Engineering Division, AMC, Wright-Patterson AFB, OH; Deputy Director for Research and Development, HQ AMC, Wright-Patterson AFB, OH, 1949-1951; Deputy Commanding General/Director of Operations/Director of Development, Air Research and Development Command (ARDC), Baltimore, MD, 1951-1952; Commander, 13th Air Force, Philippines, 1952-1953; Vice Commander/Acting Commander, ARDC, Baltimore, MD, 1953-1957

Interview Coverage: 1945-1959

Interviewer: Hugh N. Ahmann

Date of Interview: 25-28 July 1977, 26-31 March 1978

Interview Medium: Transcript - Paper

Pages: 678

Finding Aids: AFHRA 951

Location: AFHRA

Sewell, Robert G.

Navy Vietnam Laboratory Assistance Program

Subject: **Program Management - Navy**

Contents: Comments and commentary on the Vietnam Laboratory Assistance Program (VLAP): how men were selected, how they traveled to Vietnam with lab equipment, technical support from NOTS; discussion of being a civilian in uniform; remarks about life at sea

and in Saigon; remarks about the Sidewinder and Walleye programs.

Interviewer: Mickey Strang

Date of Interview: 14 October 1975

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 27

Location: NWC; DTRC; NHC

Seymour, Dr. Harry R.

Navy Naval Research Advisory Committee

Subject: **Research and Development - Navy**

Contents: Discussion of Dr. Seymour's perception of the Naval Research Advisory Committee (NRAC); establishment of the Navy Personnel Research and Development Center; discussion of the merits of BUPERS and NAVMAT sponsorship; the accomplishments of NPDRC; personnel research programs of the 1950s; problems associated with justifying personnel R&D in relation to hardware R&D; impact of personnel R&D in the fleet.

Biography: Navy Personnel Research and Development Center Liaison Officer

Interviewer: Roger Kempler

Date of Interview: 29 June 1982; 18 August 1982

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 27

Location: NPDRC; DTRC

Sharp, Dudley C.

Air Force Air Force - Secretary

Subject: **Program Management - Air Force**

Contents: Office of Secretary of the Air Force.

Biography: Special Consultant to Air Materiel Command (AMC), Wright-Patterson AFB, OH, 1954-1955; Assistant Secretary of the Air Force for Materiel, HQ USAF, Washington DC, 1955-1959; Under Secretary of the Air Force, HQ USAF, Washington DC, August-December 1959; became sixth Secretary of the Air Force, HQ USAF, Washington DC, December 1959 - January 1961

Interview Coverage: 1945-1961

Interviewer: Dr. James C. Hasdorff

Date of Interview: 5-6 June 1979

Interview Medium: Transcript - Paper

Pages: 144

Finding Aids: AFHRA 1128

Location: AFHRA

Sharp, Dudley C.

Air Force Air Force - Secretary

Subject: **Procurement - Air Force**

Biography: Assistant Secretary for Material, 1955-1959; Undersecretary, 1959, and Secretary, 1959-1961, of the Air Force

Interview Coverage: 1955-1961

Date of Interview: 1969

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 68

Finding Aids: OH 236

Location: Eisenhower Library

Sharp, Dudley C.

Air Force Air Force - Secretary

Subject: Procurement - Air Force

Contents: Associations with Donald Quarles and James H. Douglas; U.S. Air Force (USAF) leadership in logistics; transition of Air Force into mixed aircraft-missile force; USAF-contractor relationship; "weapon system" concept; planning for future conflicts; USAF procurement; F-111 aircraft development; influence of Office of Secretary of Defense (OSD) and Congress on USAF procurement; single-manager concept; nonprofit corporations; military-industrial complex; relationship with USAF Chief of Staff; interservice rivalry; JCS failure to reach fundamental decisions; Secretary of Defense Thomas S. Gates, Jr.; OSD; massive retaliation/graduated responses; USAF limited war capability, 1950s; USAF counterinsurgency forces; manned bomber; B-70 development; nuclear aircraft; R&D funding; missile program management; USAF/National Aeronautics and Space Administration relationship.

Biography: Special Consultant to Air Materiel Command (AMC), Wright-Patterson AFB, OH, 1954-1955; Assistant Secretary of the Air Force for Materiel, HQ USAF, Washington DC, 1955-1959; Under Secretary of the Air Force, HQ USAF, Washington DC, August-December 1959; became sixth Secretary of the Air Force, HQ USAF, Washington DC, December 1959 - January 1961

Interview Coverage: 1955-1961

Interviewer: Arthur K. Marmor

Date of Interview: 29 May 1961

Interview Medium: Transcript - Paper

Pages: 60

Finding Aids: AFHRA 790

Location: AFHRA

Sharp, Dudley C.

Air Force Air Force - Secretary

Subject: Secretary - Air Force

Biography: Secretary of the Air Force, 1959-1961

Interview Medium: Transcript - Paper

Access Information: Open

Location: Eisenhower Library

Sharp, Dudley C.

Air Force Air Force - Secretary

Subject: Research and Development - Air Force

Contents: managerial decision-making for Air Force research and development; need for increased R&D funding.

Biography: Special Consultant to Air Materiel Command (AMC), Wright-Patterson AFB, OH, 1954-1955; Assistant Secretary of the Air Force for Materiel, HQ USAF, Washington DC, 1955-1959; Under Secretary of the Air Force, HQ USAF, Washington DC, August-December 1959; became sixth Secretary of the Air Force, HQ USAF, Washington DC, December 1959 - January 1961

Interview Coverage: 1961

Interviewer: Joseph W. Angell, Jr. and Dr. Alfred Goldberg

Date of Interview: 19 January 1961

Interview Medium: Transcript - Paper

Pages: 4

Finding Aids: AFHRA 711

Location: AFHRA

Sherrill, Chester

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Avionics integrated support facility of operational flight program; computer programs for radar and central computer in F-15 Eagle fighter aircraft; computerized control of F-15 navigational data.

Interviewer: Dr. Richard W. Iobst

Date of Interview: 25 February 1980

Interview Medium: Transcript - Paper

Pages: 16

Finding Aids: AFHRA 1245

Location: AFHRA

Short, LTG Alonzo E.

Army Defense Information Systems Agency

Subject: **Automation - DISA**

Biography: Commanding General, U.S. Army Information Systems Engineering Command, 1987-1988; Director, Defense Information Systems Agency, Alexandria, VA.

Interviewer: Carol E. Stokes

Date of Interview: 9 November 1993

Interview Medium: Transcript - Paper

Location: USASC-FG

Short, MG Alonzo E., Jr.

Army Army - Information Systems Engineering Command

Subject: **Research and Development - Army**

Contents: Exit interview.

Biography: Commanding General, U.S. Army Information Systems Engineering Command, 1987-1988

Interview Coverage: 1987-1988

Date of Interview: 21 October 1988

Interview Medium: Transcript - Paper

Location: USASC-FG

Shrader, Joseph

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Research and Development - Navy**

Contents: Discussion of the disestablishment of NAVMAT and the establishment of SPAWAR and the shift from NAVELEX to SPAWAR; details the removal of platform-specific programs from SPAWAR, and SPAWAR's work on force-pervasive programs; discussion of the Systems Commands' preferences concerning the reorganization and redistribution of Navy R&D centers and how this effort was intended to improve Navy acquisition; discussion of systems commands' reaction of to block funding arrangements; assessment of the performance of Navy R&D centers since the SPAWAR transfer.

Interviewer: Dr. Joseph Marchese

Date of Interview: 6 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 30

Location: DTRC

Shubert, Gustave

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: RAND career; USAF Strategic Offenses Force Study (SOFS); recommendation to abandon systems engineering; RAND logistics department

Biography: RAND manager

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 29 July 1986; 10 August 1988

Length of Interview: 7.25 hours

Interview Medium: Transcript - Paper

Access Information: use restrictions not established

Pages: 52

Location: NASM

Shugg, Carleton

Defense Industry **Electric Boat Company**

Subject: **Acquisition - Navy**

Contents: Discussion of the work of the Electric Boat Company as a sub-system contractor and builder for the Polaris program; interview conducted by the Naval Historical Center Oral History Program

Biography: President of the Electric Boat Company

Interview Coverage: 1950s

Date of Interview: November 1973

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 25

Location: NHC; NWCM; USNA

Skantze, General Lawrence A.

Air Force Air Force Systems Command

Subject: Research and Development – Air Force

Biography: Air Force Vice Chief of Staff, 1983; Commander, Air Force Systems Command, 1984-1987.

Interview Coverage: 1980s

Interviewer: Andrew J. Butrica and Philip J. Shiman

Date of Interview: 27 July 2001

Interview Medium: Transcript - Paper

Access Information: Pending

Location: DAHP

Slay, Gen. Alton D.

Air Force

Subject: Program Management - Air Force

Contents: Gen. David C. Jones; B-70 aircraft problems; "ad hoc" management style; relationship between Gen. Curtis LeMay and Jones; relationship between Secretary of Defense Robert McNamara and Jones; Brown as Air Force Chief of Staff and Chairman of Joint Chiefs; direct quotes taken from interview dealing with generals Brown and Jones

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 18 February 1981

Interview Medium: Transcript - Paper

Pages: 144

Finding Aids: AFHRA 1496

Location: AFHRA

Smith, Bernard

Navy Navy - Naval Weapons Laboratory

Subject: Program Management - Navy

Contents: Explanation of how DoD R&D facilities are managed and funded; discussion of the establishment of the Office of the Assistant Secretary of the Navy for R&D; cites Sidewinder as an example of a poorly-managed program - remarks on how foundational research money was misused; comments on bureau-lab dialogues; comments on the feelings within the Navy laboratory system when the labs came under the control of the CNM; discussion of the value of block funding for R&D programs as an improvement over specific grants

Biography: Technical Director, Naval Weapons Laboratory (1964)

Interview Coverage: 1950s-1960s

Interviewer: Mrs. Susan Frutkin and Dr. Peter Brunton

Date of Interview: 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 120

Location: NHC; DTRC

Smith, Bernard

Navy **Naval Ordnance Laboratory (NOL)**

Subject: **Program Management - Navy**

Contents: Discussion of Mr. Smith's early interest in rockets; appointment as Technical Director of the Naval Weapons Laboratory in 1964; opinion of the work being done at Dahlgren in the 1950s; comments about reorganizations and mission changes at Navy labs; effects civil rights legislation at Dahlgren; remarks about professional development, management training, significance of merger with NOL, White Oak, and other proposed lab/R&D mergers

Biography: Technical Director, Naval Weapons Laboratory (1964)

Interview Coverage: 1950s-1960s

Interviewer: Cynthia Rouse

Date of Interview: 8 June 1976

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 17

Location: NSWC; DTRC

Smith, Col. Elmer F.

Air Force

Subject: **Procurement - Air Force**

Contents: President Harry S Truman; production and procurement at Wright-Patterson AFB and Pentagon; basic reasons for cost escalations and overruns; F-111 and C-5A problems; interview includes 42 photographs.

Interview Coverage: 1945-1970

Interviewer: Dr. James C. Hasdorff

Date of Interview: 10-11 December 1974

Interview Medium: Transcript - Paper

Access Information: Permission from interviewee required to cite or quote

Pages: 254

Finding Aids: AFHRA 818

Location: AFHRA

Smith, Dr. Howard C.

Navy **Vietnam Laboratory Assistance Program**

Subject: **Research and Development - Navy**

Contents: Discussion of the origins of the Vietnam Laboratory Assistance Program (VLAP); principles behind VLAP founding; discussion of working with the Air Force and Army on VLAP projects; remarks about the R&D administrative structure and the nature of the Pentagon bureaucracy.

Interviewer: Glenn E. Bugos

Date of Interview: 21 August 1985

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 34

Location: DTRC

Smith, Dr. Howard C.

Navy **Navy - Navy Laboratories**

Subject: **Research and Development - Navy**

Contents: Discussion of civil-military relationships, formation of the Office of the Director of Navy Labs (DNL), DLP's; comments on financial controls of in-house laboratories, labs under DNL and the Navy bureaus; remarks about key people in Navy R&D, including Robert S. McNamara, Dr. Robert A. Frosch, Dr. Chalmers Sherwin; discussion of R&D organizational changes ; politicization of R&D under President Kennedy; role of DNL/DLP; description of the technical abilities of Navy R&D headquarters personnel; comments about decentralization of DoD under Secretary of Defense Laird

Interviewer: Dr. Vincent Ponko

Date of Interview: 16 September 1980

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 34

Location: DTRC

Smith, Frederick L.

Army **Army - Operations Support Command**

Subject: **Logistics - Army**

Contents: Industrial Operations Command transition; Government General Performance and Results Act of 1993

Biography: Special Project Officer for Strategic Planning and Core XXI, Industrial Operations Command

Interview Coverage: 1997

Interviewer: Thomas J. Slattery

Date of Interview: 14 February 1997

Interview Medium: Transcript - Paper

Access Information: Open - printed and distributed

Pages: 24

Location: USAOSC

Smith, VADM Levering

Navy **Navy - Naval Ordnance Test Station (NOTS)**

Subject: **Program Management - Navy**

Contents: Recollections of career in naval ordnance; discussion of work at the Naval Ordnance Test Station (NOTS) between 1947 and 1954; reflections on his management of the Polaris system development; discussion of numerous China Lake programs, including the RAM 6.5 inch anti-tank rocket, Mighty Mouse 2.75 inch folding-fin rocket, 5 inch liquid propellant aircraft rocket, and work for the Atomic Energy Commission at the Salt Wells Pilot Plant; comments on the challenges faced as a military officer in a civilian position at

China Lake

Interview Coverage: 1947-1960s

Interviewer: Elizabeth Babcock and Leroy L. Doig, III

Date of Interview: 15 June 1989

Interview Medium: Transcript - Paper

Access Information: some access restrictions (sensitive information)

Pages: 75

Location: NWC

Snyder, RADM J.E., Jr.

Navy **Navy - Assistant Secretary for R&D**

Subject: **Research and Development - Navy**

Contents: Interview details the growth of Navy R&D during the 1960s; discussion of the role of Dr. James H. Wakelin, Assistant Secretary of the Navy for R&D; discussion of Wakelin's staff and budget, relations between the ASN (R&D) office and the Naval bureaus; problems encountered in laboratory management; efforts to strengthen the ASN (R&D)'s role in managing laboratories; comments on the establishment of the Director of Navy Labs and Navy Oceanographer positions; remarks about the relations between the ASN (R&D), DNL, and Oceanographer, observations about horizontal and vertical management

Interview Coverage: 1960s

Date of Interview: 23 December 1974

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Soper, Col. Ray E.

Air Force **Air Force - Ballistic Systems Division**

Subject: **Guided Missiles - Air Force**

Contents: U.S. Air Force (USAF) Western Development Division (WDD); Gen. Bernard Schriever and WDD; decision-making in USAF research and development, 1950s; Gillette procedures; difficulties in WDD conceptual ideas; creation of Ballistic Systems Division; briefing of Congress and administration on ballistic missiles, 1955; establishment of missile accuracy figures and ensuing reports; lack of Air Staff belief in missiles as viable weapon systems; Project FORECAST designed to get Air Force back into airplane business.

Interview Coverage: 1950-1966

Interviewer: Harry C. Jordan

Date of Interview: 29 November 1966

Interview Medium: Transcript - Paper

Pages: 11

Finding Aids: AFHRA 783

Location: AFHRA

Spagenburg, George

Navy **Navy - Bureau of Aeronautics**

Subject: **Program Management - Navy**

Contents: Discussion of background, work as a member of the evaluation division of the Bureau of Aeronautics; work at the Naval Aircraft Factory before and during WWII; discussion of how design, testing and contracts were handled by BUAER and BUORD; discussion of the reorganization of BUAER in the 1950s and the introduction of operational requirements in the design process; remarks about the merger of BUORD and BUAER; details of Spagenburg's effort to write and implement instructions on how contract competitions should be conducted

Biography: Member, Evaluation Division of Navy Bureau of Aeronautics

Interviewer: Booz, Allen and Hamilton

Date of Interview: 10 February 1975

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Location: DTRC

Spillers, Col. William H.

Air Force Air Force - Military Airlift Command

Subject: **Procurement - Air Force**

Contents: Military Air Transport Service C-141 program; testing; design; engineering; development panel; coordinating committee; operations; Lead the Force program; early failures; modifications; Category II programs; lessons learned from C-141 program; concurrency procurement; C-5 and C-141 weight reduction; comparison of C-5 and C-141 programs.

Interview Coverage: 1959-1972

Interviewer: Walter L. Kraus

Date of Interview: 1 March 1972

Interview Medium: Transcript - Paper

Pages: 53

Finding Aids: AFHRA 591

Location: AFHRA

Sprey, Pierre

Air Force OSD - Office of the ASD for Systems Analysis

Subject: **Research and Development - Air Force**

Contents: F-X (F-15) fighter; John Boyd and his work on energy maneuverability; need for lightweight fighter in place of F-15; A-X program, including A-7 and F-5; F-14/F-15 comparison; swing-wing versus fixed-wing controversy; problems with building multi-purpose planes, including F-105 and F-111; issue of force structure as determinant in F-15 decision.

Biography: Special Assistant to Assistant Secretary of Defense for Systems Analysis during Johnson and Nixon administrations; founded field of combat data/combat history-based cost effectiveness analysis for weapons; helped launch military reform movement of the 1980s that triggered passage of number of military reform laws; principal designer of the F-16 and A-10 aircraft. The latter were

used extensively in the final days of the crisis in Kosovo. In June 1999, Lars-Erik Nelson, in the New York Daily News, credited Sprey's design with demolishing Serb tank formations and helping to end the war.

Interview Coverage: 1973

Interviewer: Jacob Neufeld

Date of Interview: 12 June 1973

Interview Medium: Transcript - Paper

Access Information: Permission from interviewee required to cite or quote

Pages: 52

Finding Aids: AFHRA 969

Location: AFHRA

Stahr, Elvis, Jr.

Army Army - Secretary

Subject: **Secretary - Army**

Biography: Secretary of the Army, 1961-1962

Interview Medium: Transcript - Paper

Access Information: Open

Location: Kennedy Library

Starling, GEN James D.

Air Force U.S. Transportation Command

Subject: **Logistics - Air Force**

Contents: Career discussion; national airlift issues; transportation problems with and outside DoD

Biography: Deputy Commander-in-Chief, USTRANSCOM

Interview Coverage: 1991-1993

Interviewer: Dr. James K. Matthews

Date of Interview: September 1993

Interview Medium: Transcript - Paper

Access Information: Open

Title: *Lieutenant General James D. Starling: Deputy Commander in Chief
United States Transportation Command*

Pages: 60

Location: TRANSCOM

Stephenson, CAPT Paul D.

Navy Navy - Naval Weapons Center (China Lake)

Subject: **Research and Development - Navy**

Contents: Discussion of career, tour at the Naval Weapons Center (NWC); military-civilian relationships at NWC; the navy RDT&E process; details of the HARM program and contracting problems, industry versus in-house development, Burrell Hays "firing" at the hands of Paisley

Interviewer: Leroy L. Doig, III

Date of Interview: 10 June 1986

Interview Medium: Transcript - Paper

Access Information: access limited

Pages: 36

Location: NWC

Stevenson, Maj. Gen. John D.

Air Force

Subject: **Research and Development - Air Force**

Contents: Development of tactical nuclear force; roles of Dr. John von Neumann, Dr. J. Robert Oppenheimer and Dr. Edward Teller; tactical nuclear force; problems in modifying fighters for nuclear force; selection of F-84G aircraft; selection of Swedish toss bomb computer; low-altitude bombing system development; Stevenson Plan of 1951 for flexibility of aircraft usage; success of Composite Air Strike Force in Lebanon crisis; pros and cons of union of Tactical Air Command and Strategic Air Command.

Interview Coverage: 1950-1952

Interviewer: Arthur K. Marmor

Date of Interview: September 1966

Interview Medium: Transcript - Paper

Access Information: For official use only

Pages: 31

Finding Aids: AFHRA 574

Location: AFHRA

Stever, Dr. Guyford H.

Air Force Air Force - Chief Scientist

Subject: **Research and Development - Air Force**

Contents: Department of Aeronautical Engineering, Massachusetts Institute of Technology (MIT); JCS Guided Missile Committee; USAF Scientific Advisory Board.

Biography: Executive Officer, Joint Chiefs of Staff (JCS) Guided Missile Committee, 1945-1948; member, USAF Scientific Advisory Board (SAB), 1947; Chief Scientist, USAF, HQ USAF, Washington, D.C., 1955-56; Vice Chair of SAB, 1956-1961; Chairman of SAB, 1962-1968; recipient, President's Certificate of Merit, for guided missile work; recipient, USAF Exceptional Civilian Service Award, for tenure as Chief Scientist, USAF; recipient, DOD Distinguished Public Service Medal, following retirement as SAB Chairman; President, Carnegie Mellon University, 1965-1972; Director, National Science Foundation, 1972-1976; Chairman, Joint U.S.-USSR Commission on Science and Technology Cooperation, 1973-1977; White House Science Advisor, Presidents Richard M. Nixon and Gerald R. Ford, 1973-1976.

Interviewer: Michael H. Gorn

Date of Interview: 10-20 April 1987

Length of Interview: 5:00 hours

Interview Medium: Tape - Audio

Finding Aids: AFHRA 1752

Location: AFHRA

Stoliker, Frederick N.

Air Force

Subject: Test and Evaluation - Air Force

Contents: Early system of flight-testing aircraft consisted of eight phases; comparison with later system of three "categories;" relationship between test agency and system program office charged with overall procurement of new aircraft; role of contractor; why concurrency - testing and developing airplane after it has already entered production - failed as procurement system in case of C-5 and F-111; why use of aircraft prototypes has been revived; opinions on how present system of testing should be changed in order to improve it.

Biography: Aviation engineer since 1950

Interview Coverage: 1950-1976

Interviewer: J.T. Bear

Date of Interview: 16 November 1976

Interview Medium: Transcript - Paper

Access Information: For official use only

Pages: 37

Finding Aids: AFHRA 1101

Location: AFHRA

Stone, Dr. Harris B.

Navy

Subject: Research and Development - Navy

Contents: Interview part of Booz-Allen & Hamilton's review of Navy R&D management; discussion of leaving the Army lab systems to work for the Navy; remarks about the advantages of the Navy R&D systems and opportunities for in-house research (versus army opportunities); description of work coordinating the electronics warfare and intelligence research programs in ONR, reorganization that placed his group under CNO

Interview Coverage: 1940s-1970s

Interviewer: Booz-Allen and Hamilton

Date of Interview: 28 November 1974

Length of Interview: 1 tape; index

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Storey, Robert

Hoover Commission II (1953-1955)

Subject: Hoover Commission II (1953-55)

Biography: Member, Hoover Commission II, 1953-1955

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 52

Location: Hoover Library

Stringer, Col. William L.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: Basis for Air Force Logistics Command involvement in international logistics; problems arising from foreign military sales ; inability of AFLC to supply promised items in FMS; AFLC becoming supply and maintenance organization; F-111 maintenance by United States and Australia; U.S. Air Staff disagreement over control of international logistics; role of Military Assistance Advisory Groups (MAAGs); evading congressional edicts by use of Technical Assistance Field Teams (TAFTs); use of temporary duty in Vietnam to avoid Secretary of Defense Robert S. McNamara's policy decisions; problems providing collateral items (items required for something to work but not included with original purchase); Peace Log and Peace Hawk programs (major programs in Middle East); changed role of AFLC; AFLC personnel in Iran; F-16s for Spain; logistics in Vietnam; Vietnamization of logistics; Enhance Plus (program of supply to South Vietnamese Air Force); Nickel Grass (supplies for Israel).

Interview Coverage: 1976

Interviewer: Joseph A. Ventolo

Date of Interview: 1, 30 September 1976; 14 October 1976

Interview Medium: Transcript - Paper

Pages: 70

Finding Aids: AFHRA 1106

Location: AFHRA

Stroscio, Dr. Michael A.

Army Army - Materiel Command

Subject: Research and Development - Army

Biography: Chief Scientist, Army Research Office

Date of Interview: 8 July 1997

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

Strughold, Dr. Hubertus

Air Force Air Force - Systems Command

Subject: Research and Development - Air Force

Contents: USAAF Aeromedical Center, Heidelberg, Germany; USAF Aerospace Medical Division.

Biography: Senior Scientist, U.S. Army Air Force (USAAF) Aeromedical Center, Heidelberg, Germany, 1945; Chief Scientist, Aerospace Medical Division, Air Force Systems Command, Brooks AFB, TX, 1962

Interview Coverage: 1945-1968

Interviewer: Dr. James C. Hasdorff

Date of Interview: 25 November 1974

Length of Interview: 1:10 hours

Interview Medium: Tape - Audio

Finding Aids: AFHRA 816

Location: AFHRA

Stuckey, Norman J.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Pacer Web program (specialized basic ordering agreement, primary vehicle for repair of F-15 aircraft component and subsystems, with McDonnell Douglas Corporation).

Interview Coverage: 1980

Interviewer: Dr. Richard W. Iobst

Date of Interview: 7 October 1980

Interview Medium: Transcript - Paper

Pages: 21

Finding Aids: AFHRA 1257

Location: AFHRA

Sullivan, Shelby

Navy Navy - Naval Ordnance Test Station (NOTS)

Subject: **Research and Development - Navy**

Contents: Discussion of personalities and programs of the Pasadena Annex of the Naval Ordnance Test Station (NOTS); comments about the reorganization of NOTS into the Naval Undersea Research and Development Center in 1967; comments about working for Dr. William B. McLean; description of work in electronics troubleshooting; discussion of work on Librascope Mk 5 fire-control computer system; work on Librascope Mk 3 fire control computer; recollections of involvement with NOTS torpedo research, Mark 44 torpedo, ASROC, wet ASROC missile (WAM)

Interviewer: Elizabeth Babcock

Date of Interview: 25 January 1989

Interview Medium: Transcript - Paper

Access Information: access restrictions - parts of interview may be classified

Pages: 53

Location: NWC

Sunell, MG Robert J.

Army Army - Tank-Automotive and Armaments

Subject: **Test and Evaluation - Army**

Contents: Experience/Visions

Biography: AFV Task Force

Date of Interview: October 1987

Access Information: File open and available

Location: USAMC

Sunell, MG Robert J.

Army Army - Tank-Automotive and Armaments

Subject: **Acquisition - Army**

Contents: PM; Abrams Tank; management philosophy; acquisition system;

Date of Interview: 2 May 1978; October 1978
Interview Medium: Transcript - Paper
Pages: 125
Finding Aids: AFHRA 1039
Location: AFHRA

Symington, W. Stuart

Air Force **Air Force - Secretary**
Subject: **Secretary - Air Force**
Biography: Secretary of the Air Force, 1947-1950
Interview Medium: Transcript - Paper
Access Information: Open
Location: Johnson Library

Symington, W. Stuart

Air Force **Air Force - Secretary**
Subject: **Secretary - Air Force**
Biography: Asst. Secretary of War for Air, 1946-1947; Secretary of the Air Force, 1947-1950
Interview Coverage: 1947-1950
Interview Medium: Transcript - Paper
Access Information: Open
Location: Truman Library

Talkington, Howard R.

Navy **Navy - Naval Ordnance Test Station (NOTS)**
Subject: **Research and Development - Navy**
Contents: Discussion of role of NOTS Pasadena in the Polaris underwater launch program; work on launch site preparations, installation of equipment; description of testing Polaris at San Clemente Island
Interviewer: Dr. Mark Jacobsen
Date of Interview: November 1987
Interview Medium: Transcript - Paper
Access Information: Open
Pages: 19
Location: NOSC

Tanham, George

Air Force **RAND**
Subject: **Research and Development - Air Force**
Contents: RAND career; work on Caltech Project Vista for Secretary of Defense; relationship of RAND to USAF; systems analysis
Biography: RAND social scientist
Interview Coverage: 1940s-1960s
Interviewer: Martin Collins
Date of Interview: 19 August 1987
Length of Interview: 1.5 hours
Interview Medium: Transcript - Paper
Access Information: permission required to quote, cite, or reproduce

Pages: 29

Location: NASM

Thomas, Charles

Navy **Navy - Secretary**

Subject: **Procurement - Navy**

Contents: Discussion of appointment to position of Undersecretary of the Navy; working relationships between service secretaries and chiefs of staff; ADM Hyman Rickover and the nuclear submarine program; William Raborn and the Polaris program; Carl Vinson and nuclear fleet costs

Biography: Undersecretary of the Navy, Jan.-Aug. 1953; Assistant Secretary of Defense for Supply and Logistics, 1953-1954; Secretary of the Navy, 1954-1957

Interview Coverage: 1953-1957

Date of Interview: 1976

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 65

Finding Aids: OH 490

Location: Eisenhower Library

Thompson, Crawford C.

Air Force **RAND**

Subject: **Research and Development - Air Force**

Contents: RAND career; changes in USAF procurement regulations and effects of same on RAND; creation of Systems Development Corporation (SDC); TD5000 regulations; programming of SAGE computer; origins of Analytic Services (ANSER)

Biography: RAND manager

Interview Coverage: 1940s-1960s

Interviewer: Martin Collins and Joseph Tartarewicz

Date of Interview: 29 July 1987

Length of Interview: 4.5 hours

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 67

Location: NASM

Tillotson, Col. James A.

Air Force **Air Force - Aerospace Guidance/Meteorology**

Subject: **Program Management - Air Force**

Contents: Advantages/disadvantages of eliminating position of Vice Commander at Aerospace Guidance and Meteorology Center (AGMC) in 1980; relationship with leaders of Air Force Logistics Command ; AGMC relationship with contractors and role that each should play in providing weapon system components; changes in AGMC organizational structure; functions for which he was responsible; Precision Measurement Equipment Laboratory

Conference; AGMC Office of Assistant to the Commander for Quality Assurance.

Biography: Vice Commander/Commander, Aerospace Guidance and Meteorology Center

Interviewer: George W. Bradley

Date of Interview: 19 January 1985

Interview Medium: Transcript - Paper

Pages: 57

Finding Aids: AFHRA 1547

Location: AFHRA

Tino, John

Navy **Naval Ordnance Laboratory (NOL)**

Subject: **Research and Development - Navy**

Contents: Interview related to the research of a history of the Mark 48 torpedo; subject discusses career and background at the Naval Ordnance Lab (NOL), involvement with torpedo development; discusses the use of systems analysis in the Mark 48 program; the influence of ASW tactics on technology and vice versa; development of the Mark 48 from the NOL perspective, including remarks about the Clevite/Westinghouse competition, controversy over the number of Navy labs doing torpedo research; remarks about the removal of the Mark 48 program from NSWC to NUSC; reflections on the relations between OPNAV and the R&D centers

Interviewer: Dr. Joseph Marchese

Date of Interview: 21 July 1989

Length of Interview: 2 tapes

Interview Medium: Tape - Audio

Access Information: Open

Location: DTRC

Topping, RADM Robert

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Acquisition - Navy**

Contents: NAVMAT-SPAWAR interview; computers; computerization; discussion of connections between connectivity between space and undersea computing platforms; evaluation of the effects of next generation computer resource (NGCR) program on coordinating competing hardware and describes the standards and roles of computer systems in interconnectivity; discussion of contract development computer systems that follow emerging standards; remarks about recent improvements in operating systems; remarks about European allies joining U.S. military information sharing endeavors; discussion of improvements being made in civilian requirements for "ruggedization" and multi-level security of information systems; details the efforts of SPAWAR 32 regarding NGCR; evaluation of SPAWAR's WSA&E effectiveness

Interviewer: Dr. Joseph Marchese

Date of Interview: 19 March 1990

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 45

Location: DTRC

Towle, CAPT Bernard

Navy

Subject: **Research and Development - Navy**

Contents: Comments on career, background, and position in the Navy in the 1950s; comments about pre-Director of Navy Labs (DNL) management; discussion of the introduction of the Sherwin Plan and Navy compromise plan for reorganization of labs - changes dictated by technology, SYSCOM resistance, and ADM Rivero's decision that military command of labs was not essential; comments on the first DNL; discussion of problems with selecting lab managers; effects of SECDEF McNamara on Navy R&D programs; DDR&E's influence on R&D

Interview Coverage: 1950s-1960s

Interviewer: Albert B. Christman

Date of Interview: 14 March 1978

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 32

Location: NWC; DTRC

Towle, CAPT Bernard

Navy

Subject: **Research and Development - Navy**

Contents: Discussion of lab management under SECDEF McNamara; philosophies of different Navy bureaus; comments on the consolidation of the Bureau of Ordnance and the Bureau of Aeronautics; discussion of the establishment of the position of Director of Navy Lab (DNL); remarks about the influence of outside sources on R&D, including the Sherwin Plan, the Mansfield Amendment, the National Science Foundation, and congressional input; comments on problems in the use of labs, in decision making, and trends in top-level laboratory management

Interviewer: Dr. Samuel Rothman, Dr. Peter Bruton, and Mrs. Susan Frutkin

Date of Interview: 17 December 1974

Interview Medium: Transcript - Paper

Access Information: Open

Pages: 54

Location: DTRC

Townsend, Brig. Gen. Guy M.

Air Force

Subject: **Test and Evaluation - Air Force**

Contents: Experiences with Gen. Nathan Twining and other Air Force leaders; B-36, B-47 and B-52 bomber testing; interservice rivalry; B-51, B-58, B-70, C-5 F-80, KC-135 and Skybolt missile programs;

aircraft technology; B-52H flight testing; problems with XB-70 aircraft; problems with C-5 aircraft; effect of Secretary of Defense Robert S. McNamara on Defense Department; advantages of manned bomber aircraft over unmanned missiles; effects of Skybolt cancellation on Royal Air Force; R&D funding; cancellation of B-1 bomber program; Supersonic Transport (SST).

Biography: Bomber test pilot for B-36, B-47 and B-52 aircraft

Interviewer: Dr. James C. Hasdorff

Date of Interview: 12-13 July 1982

Interview Medium: Transcript - Paper

Pages: 175

Finding Aids: AFHRA 1341

Location: AFHRA

Tragemann, MG Richard W.

Army **Army - Test and Evaluation Command**

Subject: **Test and Evaluation - Army**

Contents: Overview of career in Artillery Branch; work as Project Officer in the Combined Arms Combat Development Activity at Fort Leavenworth; work in the Operations Analysis Group, use of Operations Research and Systems Analysis training; remarks about Soldier-Maintainer-Operator T&E (SMOT&E) personnel; comments about XM8 Armored Gun System (AGS); relations between labs and T&E elements, relations between army T&E, other services; TECOM testing of C-17 Globemaster III; lack of effect of Federal Facilities Compliance Act on TECOM; work with AWEs, ATDs, and TRADOC Battle Labs; remarks about Vision 21 study, DoD lab and T&E consolidation

Biography: Commanding General, U.S. Army Test and Evaluation Command (TECOM); Commander, Aberdeen Proving Ground (APG), 1993-1995; Chairman of the Department of Defense Board of Operating Directors for the Test and Evaluation (T&E) Executive Agent

Interview Coverage: 1966-1996

Interviewer: Dr. J. Britt McCarley

Date of Interview: 6 October 1994 - 1996

Place of Interview: Aberdeen Proving Ground, MD

Interview Medium: Transcript - Paper

Access Information: Open

Title: *Tested with the Best: An Oral History of MG Richard W. Tragemann, USA Retired*

Pages: 213

Place of Publication: Aberdeen Proving Ground, MD

Publisher: TECOM Command History Office

Date of Publication: April 1997

Location: TECOM

Tremayne, William H.

Grace Commission

Subject: Acquisition Reform

Contents: Grace Commission; formation of the commission and Prudential Insurance's role on task force; organization and operations of commission; industry and commercial models for government; project management; competition; career development and education for acquisition professionals; personalities

Interviewer: Andrew J. Butrica

Date of Interview: 8 July 2004

Interview Medium: Transcript – Paper/Electronic

Access Information: Open

Pages: 67

Location: DAHP

Tremblay, Harold

Navy Navy - Naval Air Development Center

Subject: Research and Development - Navy

Contents: Discussion of the relationship between NADC and the University of Pennsylvania and subsequent creation of the Numerical Analysis Branch at NADC in 1953; reorganization of computer work at NADC in 1955 and 1956; remarks about the ambiguity of the "systems concept"; comments about the establishment of the Computer Lab at NADC; connections between computers and centrifuges; discussion of computer work in the 1960s and development of advanced software in the 1970s

Interview Coverage: 1950s-1970s

Interviewer: Tom Misa and Ed Todd

Date of Interview: 20 July 1982

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Location: NADC; DTRC

Tremblay, Harold

Navy Navy - Naval Air Development Center

Subject: Research and Development - Navy

Contents: Discussion of personal background and early NAMU work; work on V-2 missile studies, glider research, and early television projects; discussion of work on airborne video cameras; discussion of Project Typhoon; comments on relations with RCA; remarks about BUAER's role at NADC; discussion of Typhoon's construction as a vacuum tube computer; computing; computers

Interviewer: Tom Misa and Ed Todd

Date of Interview: 6 July 1982

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Location: NADC; DTRC

Trott, Col. Allen L., Jr.

Air Force Air Force - Logistics Command

Subject: Logistics - Air Force

Contents: C-141B Stretch modification is technically simple addition of two fuselage sections and aerial refueling capacity; modification

controversial from its inception; responds to criticisms of C-141B and explains misconceptions about program; weight versus bulk cargo capacity debate; compares abilities of stretched C-141 and C-5.

Biography: Began career as pilot; command experience in C-141s and C-5; retired as head of C-141B Stretch Modification Office, Warner Robins Air Logistics Center, Warner Robins AFB, GA, 1979-1980

Interview Coverage: 1951-1980

Interviewer: Benjamin Vincent

Date of Interview: 12 May 1980

Interview Medium: Transcript - Paper

Pages: 76

Finding Aids: AFHRA 1226

Location: AFHRA

Tumstall, Dr. Edward

Navy **Navy - Navy Laboratories**

Subject: **Program Management - Navy**

Contents: Work as Director of Navy Labs (DNL); changes in SPAWAR that followed his assignment as DNL; role of Navy R&D centers, strengths and weaknesses, budgetary influence of SPAWAR on R&D centers; remarks about recent studies of the Navy's R&D effort; discussion of Navy work on SDI; discussion of Navy defense contract corruption, effects of Navy Audit Service and FBI investigations on SPAWAR

Biography: Director of Navy Labs (DNL)

Interviewer: Dr. Joseph Marchese

Date of Interview: 3 July 1989

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Location: DTRC

Van Leeuwen, George H.

Air Force **Air Force - Logistics Command**

Subject: **Logistics - Air Force**

Contents: Base Supply Division, Hill AFB, UT; implementation of computer program for managing supply; creation of Directorate of Materiel Management, Hill AFB, UT; foreign military sales; Minuteman missile concept; closure of San Bernardino Air Materiel Area, CA; contract maintenance

Interviewer: Dr. Roger D. Launius

Date of Interview: 6, 13 February 1986

Interview Medium: Transcript - Paper

Pages: 111

Finding Aids: AFHRA 1712

Location: AFHRA

Van Orden, VADM Merton

Navy **Naval Electronic Systems Command (NAVELEX)**

Subject: **Program Management - Navy**

Contents: Discussion of the reasons for the establishment of NAVELEX; comments about the importance of electronics to the Navy (and growing awareness of as much); work of NAVELEX on shore electronics matters; discussion of RADM Schneider's effort to integrate the communications systems of the entire Navy and assessment of that attempt; RADM Van Orden's work as Program Manager for electronics at NAVELEX; discussion of the debate over horizontal versus vertical management; discussion of the mechanics of funding at NAVELEX

Biography: Program Manager, Electronics, NAVELEX

Interviewer: Dr. Joseph Marchese

Date of Interview: 22 May 1990

Interview Medium: Transcript - Paper

Pages: 31

Location: DTRC

Visco, Eugene

Army **Army - Aviation and Missile Command**

Subject: **Aviation - Army**

Contents: Howze Board discussion; Use of operations analysis; ammunition interoperability (NATO and the M-16); application of classical analysis to large-scale, complex questions

Interviewer: Dr. James W. Williams

Date of Interview: 22 January 2000

Length of Interview: 90 min. tape+notes

Interview Medium: Tape - Audio

Access Information: informal conversation notes and tape; no transcription

Location: AABHO

Wade, Gen. Horace M.

Air Force **Air Force - Vice Chief of Staff**

Subject: **Program Management - Air Force**

Contents: U.S. Army Air Forces become USAF; USAF concepts and doctrines following World War II; Armed Forces Staff College; Gen. Curtis LeMay; engine problems on B-29s; emphasis on bombers in 1950s; B-36 aircraft; B-47 aircraft; National War College; B-58 aircraft; Strategic Air Command; Atlas intercontinental ballistic missile; Secretary of Defense Robert S. McNamara; President John F. Kennedy; Gen. David C. Jones; Gen. Robert Dixon; commonality of weapons; selection of Gen. George Brown as USAF Chief of Staff; Lt. Gen. John Lavelle; duties as USAF Vice Chief of Staff, Chief of Staff and Secretary of the Air Force; Secretary of the Air Force Harold Brown; total force concept; Project Corona Harvest.

Biography: Commander, 4310th Air Division, Morocco; Assistant Deputy Chief of Staff for Plans, HQ USAF, Washington DC, 1962;

Deputy Chief of Staff for Plans, HQ USAF, Washington DC; Chief
of Staff, Supreme Headquarters Allied Powers Europe; USAF
Vice Chief of Staff

Interview Coverage: 1945-1978

Interviewer: Hugh N. Ahmann

Date of Interview: 10-12 October 1978

Interview Medium: Transcript - Paper

Access Information: SECRET/NOFORN

Pages: 589

Finding Aids: AFHRA 1105

Location: AFHRA

Wakelin, Dr. James H.

Navy

Subject: **Research and Development - Navy**

Contents: Discussion of R&D programs in the 1950s; discussion of the establishment of the Office of the Assistant Secretary of the Navy for Research and Development (ASN R&D); function of DDR&E as a pressure mechanism for ASN (R&D); discussion of the ONR-Blue Suit Navy relationship; remarks about management responsibilities for DDR&E appropriations and the need for a coherent R&D program; discussion of the Navy R&D planning system and program structure; remarks about improving lab operations; discussion of the creation of the Office of the Director of Navy Labs (DNL); role of the ASN (R&D) as a liaison between the Navy and DoD; remarks about the difficulty of attracting qualified technical people

Interviewer: Dr. Peter Brunton; Mrs. Susan Frutkin; CAPT Robert L. Hansen

Date of Interview: September 1974

Interview Medium: Transcript - Paper

Pages: 110

Location: DTRC

Warren, Lt. Gen. Robert H.

Air Force Air Force - Systems Command

Subject: **Test and Evaluation - Air Force**

Contents: Duties while in Office of Deputy Secretary of Defense; duties while assigned to Air Proving Ground; Gen. Joe Kelly; quality of testing at AF

Interviewer: 1st Lt. Wayne D. Perry, USAF

Date of Interview: 2-3 February 1988

Interview Medium: Transcript - Paper

Pages: 116

Finding Aids: AFHRA 1788

Location: AFHRA

Waterman, Dr. Peter

Navy

Subject: **Program Management - Navy**

Contents: Discussion of the maintenance of Navy R&D facilities and programs; comments about cost effectiveness of programs, and Navy R&D, in general, from World War II to the present.

Interviewer: unknown

Date of Interview: 1974

Interview Medium: Transcript - Paper

Pages: 32

Location: NWC; DTRC; NHC

Watkins, Maj. Gen. James H.

Air Force **Air Force - Office of Assistant for Atomic Energy**

Subject: **Research and Development - Air Force**

Contents: Gen. Curtis LeMay; involvement in development of nuclear weapons; Defense Mapping Agency.

Biography: Office of Assistant for Atomic Energy, HQ USAF, June 1950 - June 1954; retired 1973

Interviewer: Col. Carey A. Lovelace

Date of Interview: 28 November 1984

Interview Medium: Transcript - Paper

Pages: 160

Finding Aids: AFHRA 1616

Location: AFHRA

Watson, Clement

Navy

Subject: **Defense Industry**

Contents: Discussion of work as public relations and presentation contractor for the Polaris; interview is one of seven interviews on concept and development of the Polaris program conducted by the U.S. Naval Institute Oral History Program

Biography: Presentation/Public Relations Contractor, Polaris Program

Interview Coverage: 1950s

Interviewer: unknown

Date of Interview: November 1972

Interview Medium: Transcript - Paper

Pages: 65

Location: NHC; NWCM; USNA; USNI

Weaver, RADM John C.

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Program Management - Navy**

Contents: Discussion of the creation of SPAWAR and the disestablishment of NAVMAT; discussion of SPAWAR's coordination function among the systems commands, role in systems integration, and the WSA&E function; discussion of the WSA&E directorate, including remarks about its functions, objectives, and organization; discussion of various parts of SPAWAR; discourse on the placement of R&D centers within SPAWAR; elaboration on the Navy Industrial Fund's method of finance and on the effects of budget tightening on the

R&D community; assessment of the performance of R&D centers' commanding officers and technical directors; response to various criticisms of Navy R&D organization; remarks about engineering developments and the contributions made by the Chief of Naval Operations ADM Carlisle Trost

Interviewer: Dr. Joseph Marchese

Date of Interview: 17 August 1989

Interview Medium: Transcript - Paper

Pages: 22

Location: DTRC

Weigand, Heinrich J.

Air Force Air Force - Space Directorate, HQ USAF

***Subject:* Research and Development - Air Force**

Contents: F-X fighter aircraft working group defined basic concept of air superiority fighter; need for United States to develop aircraft to counter Soviet developments; impact of energy maneuverability theory (method of comparing fighter capabilities) on decision for single-purpose plane; F-15 program; air-to-air versus air-to-ground capability.

Biography: Science Advisor, Space Directorate, HQ USAF, Washington DC; member of F-X fighter aircraft working group

Interview Coverage: 1965-1967

Interviewer: Jacob Neufeld

Date of Interview: 27 March 1973

Interview Medium: Transcript - Paper

Pages: 7

Finding Aids: AFHRA 862

Location: AFHRA

Wentsch, Brig. Gen. George M.

Air Force Air Force - Military Airlift Command

***Subject:* Logistics - Air Force**

Contents: 443rd Military Airlift Wing first wing to utilize C-5; lessons learned from C-141; C-5 and C-141 logistical support and weight reduction programs; participation in concept, design and early operational phases of C-141; C-141 kit concept that makes aircraft multi-purpose transport.

Biography: Commander, 443rd Military Airlift Wing; Program Manager, HQ Military Airlift Command

Interview Coverage: 1962-1972

Interviewer: Walter L. Kraus

Date of Interview: 16 March 1972

Interview Medium: Transcript - Paper

Pages: 60

Finding Aids: AFHRA 588

Location: AFHRA

Wertenberger, I. Bruce

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Computers; computerization; discussion of the computers used by the Naval Weapons Center (NWC) and the Naval Ordnance Test Station (NOTS) since the 1950s; describes NOTS' pioneering work in digitizing telemetry signals, as well as contractor roles in reducing data for early tests

Interview Coverage: 1950s-1970s

Interviewer: Elizabeth Babcock

Date of Interview: 12 December 1988

Interview Medium: Transcript - Paper

Pages: 61

Location: NWC; DTRC; NHC

Westcott, Edmond J.

Army **Army - Materiel Command**

Subject: **Research and Development - Army**

Biography: ADCS Research, Development, & Engineering

Date of Interview: 1 February 1994

Interview Medium: Transcript - Paper

Access Information: review not complete; file availability to be determined

Location: USAMC

Weyland, Maj. Gen. Otto P.

Air Force **Air Force - Tactical Air Command**

Subject: **Communications - Air Force**

Contents: Contains joint interview with Maj. Gen. Glenn O. Barcus (USAF) and Col. Gilbert Myers (USAF); tactical air control problems in Fifth Air Force as told by Col Myers, Deputy for Operations, Fifth Air Force Advanced; shortage of communications equipment resulted in use of radar communications net being used for point-to-point operations; radar was not actively required in Korea, so it was not installed early in war; fluid condition of war did not permit installation of heavy radar gear as was done in Europe; destruction of radar at Pyongyang was result of immobility of unit and fact that tactical control squadron did not have its organic equipment; inability of Shoran unit to operate properly; making TACP squadron that will centralize control of TACPs assigned to ground forces; TACPs require more radio communication facilities.

Interviewer: USAF Evaluation Group

Date of Interview: 28 December 1950

Interview Medium: Transcript - Paper

Pages: 21

Finding Aids: AFHRA 168.041-1

Location: AFHRA

White, Dr. Howard J., Jr.

Navy **Navy - Assistant Secretary for R&D**

Subject: **Research and Development - Navy**

Contents: Discussion of background and appointment as Special Assistant for Research to the Assistant Secretary of the Navy for Research and Development (ASN R&D); description of duties as Special Assistant, including budgeting 6.1 and 6.2 funds, working as a liaison between the labs and ASN (R&D), and studying the problems of laboratory management in a military-civilian matrix; comments on the impact of the Task Force 97 Project Report, the Dillon Review of 1962, and the Furnas and Austin Reports; discussion of the Sherwin Plan and the Navy R&D community's reaction to it; comments about the value of in-house Navy labs and SECDEF McNamara's influence on Navy R&D

Biography: Special Assistant for Research to the ASN (R&D)

Interview Coverage: 1960s

Interviewer: Dr. Vincent Ponko

Date of Interview: 4 December 1982

Interview Medium: Transcript - Paper

Pages: 27

Location: NWC; DTRC; NHC

White, Gen. Thomas D.

Air Force Air Force - Chief of Staff

Subject: **Program Management - Air Force**

Contents: Position of Chief of Staff; civilian roles in strategic planning; interservice rivalry and appropriations; USAF weapon system concept.

Biography: USAF Chief of Staff, HQ USAF, Washington DC

Interview Coverage: 1958-1961

Interviewer: Joseph W. Angell, Jr. and Dr. Alfred Goldberg

Date of Interview: 27 June 1961

Interview Medium: Transcript - Paper

Pages: 9

Finding Aids: AFHRA 606

Location: AFHRA

White, Maj. Robert M.

Air Force

Subject: **Test and Evaluation - Air Force**

Contents: Training as test pilot; testing of F-86; testing of F-105; testing of X-15.

Interviewer: Kenneth Leish, Columbia University Aviation Project

Date of Interview: August 1960

Interview Medium: Transcript - Paper

Access Information: Permission to cite or quote required from Columbia

Pages: 27

Finding Aids: AFHRA 146.34-106

Location: AFHRA

Whitfield, Robert

Navy **Navy - Space and Naval Warfare Systems**

Subject: **Acquisition - Navy**

Contents: Discussion of the issues surrounding the dissolution of NAVMAT and the creation of SPAWAR; discussion of the goal to eliminate layers of bureaucracy in acquisition and to create a systems command to coordinate acquisition of a coherent battle force architecture; remarks about SECNAV Lehman's determination to reduce bureaucracy and Congressional pressure to reduce overhead

Interviewer: Dr. David K. Allison

Date of Interview: 10 June 1985

Length of Interview: 1 tape

Interview Medium: Tape - Audio

Location: DTRC

Wickham, GEN John A.

Army **Army - Chief of Staff**

Subject: **Communications - Army**

Biography: Army Chief of Staff, June 1983 - June 1987

Interview Coverage: 1983-1987

Date of Interview: 21 March 1988

Interview Medium: Transcript - Paper

Location: USASC-FG

Wilcox, Dr. Howard A.

Navy **Navy - Naval Ordnance Test Station (NOTS)**

Subject: **Research and Development - Navy**

Contents: Comments on the projects Wilcox was involved with at the Naval Ordnance Test Station (NOTS), including NOTSNIK, a response to Sputnik, and ASROC; comments about the high cost of satellite development

Interviewer: Mickey Strang

Date of Interview: 25 May 1976

Interview Medium: Transcript - Paper

Pages: 13

Location: NWC; DTRC

Wilcox, Dr. Howard A.

Navy **Navy - Naval Ordnance Test Station (NOTS)**

Subject: **Research and Development - Navy**

Contents: Description of the various problems with Navy labs before World War II, including increasing bureaucracy, the insertion of new managers without wartime lab experience, and budget constraints; comments on the lack of innovative weapons ideas and narrowly defined lab missions; discussion of William B. McLean's leadership qualities; reflections on good aspects of the Navy lab system, roles of headquarters, labs and industry in Navy R&D; effects of Sputnik on Navy R&D and role of Vietnam on lab programs

Interviewer: Albert B. Christman with Bert Larson

Date of Interview: 15 March 1978
Interview Medium: Transcript - Paper
Pages: 23
Location: DTRC

Wilhelm, Peter G.

Navy **Navy - Naval Research Laboratory**
Subject: **Research and Development - Navy**
Contents: Overview of the growth of satellite technology research and related studies in space science at the Naval Research Laboratory from 1959 to 1987; discussion of career and work in space studies and satellite programs, including Navy navigation, communications, environmental, and general surveillance satellites; comments about possible challenges to the Navy's role in space and the importance of the Navy changing its force structure
Interviewer: Dr. David van Keuren and Dean Bundy
Date of Interview: 19 November 1987; 14 December 1987
Interview Medium: Transcript - Paper
Pages: 18
Location: NRL

Willey, Thomas

Navy **Navy - Naval Air Development Center**
Subject: **Research and Development - Navy**
Contents: Discussion of personal background and work in systems engineering at NADC, including the A-NEW Program, Airborne Computer Development System in the 1960s, and the Proteus System of Signal Processing; remarks about the impact of systems engineering, the Polaris submarine and its effect of Anti-Submarine Warfare research, and reorganization of NADC in the early 1970s
Interviewer: Tom Misa and Ed Todd
Date of Interview: 15 July 1982
Length of Interview: 2 tapes
Interview Medium: Tape - Audio
Location: NADC; DTRC

Williams, ADM John G., Jr.

Navy
Subject: **Program Management - Navy**
Contents: Discussion of Navy R&D centers, changes that occurred during his tenure as CNM, and the Corporate Plan for NAVMAT, selection of Technical Directors, selection of good personnel; remarks about the role of the Navy labs as "smart buyers" for the Navy
Biography: Chief of Naval Materials
Interviewer: Leroy L. Doig, III and Dr. David K. Allison
Date of Interview: 12 July 1983
Interview Medium: Transcript - Paper
Pages: 9
Location: NWC; DTRC

Wilson, Dr. Haskell G.

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of some of the evolutionary aspects of NWC's history and philosophy, military-civilian relationships, the Center's Principles of Operation, changes in R&D emphasis; remarks about the Walleye program; remarks about the position of Director of Navy Laboratories (DNL)

Interviewer: Leroy L. Doig, III

Date of Interview: 10 August 1982

Interview Medium: Transcript - Paper

Pages: 17

Location: NHC; DTRC

Wilson, Gen. Louis L., Jr.

Air Force **Air Force - Space and Missile Systems**

Subject: **Program Management - Air Force**

Contents: B-29 bomber; B-36 bomber; Weaponeer School; maintenance in flying units; B-52 bomber; B-70 bomber; A-10 attack aircraft; Minuteman III ICBM; F-15 fighter; F-111 aircraft; Air Staff Board and C-5; Lt. Gen. Glenn A. Kent; Gen. Jack J. Catton; Titan missiles; Ballistic Missile Early Warning System and MIDAS; views on MX proposal; weapons in space; Gen. John D. Lavelle; reorganization of PACAF, 1974.

Biography: B-29 squadron commander; B-36 squadron commander; Chief of Plans, Strategic Air Command, Offutt AFB, NE; Deputy Director of Operational Requirements, HQ USAF, Washington DC; Vice Commander, HQ Space and Missile Systems Organization, Los Angeles AFS, CA; USAF Inspector General, HQ USAF, Washington DC; Vice Commander in Chief, U.S. Air Forces Europe; Commander in Chief, Pacific Air Force (PACAF)

Interview Coverage: 1945-1977

Interviewer: Lt. Col. Arthur W. McCants

Date of Interview: November 1979

Interview Medium: Transcript - Paper

Pages: 340

Finding Aids: AFHRA 1178

Location: AFHRA

Wilson, Lt. Gen. Roscoe C.

Air Force **Air Force - Third Air Force**

Subject: **Research and Development - Air Force**

Contents: Success of weapon system concept in accelerating development and operational readiness of USAF weapons; devotion of USAF resources to basic and applied research and development; fundamental factors that account for cyclical swings in USAF research and development vis-à-vis logistics; primary obstacles to development of effective command and control system; effects of spacecraft on missile warfare; explanation of opposition to

Dyna-Soar within Department of Defense; effectiveness of USAF's use of applied technology; overall comparison of United States and Soviet Union in science and technology; USAF and space; problems as Commander of Third Air Force, 1954-1957.

Biography: Deputy Chief, Armed Forces Special Weapons Project, July 1947 - February 1950; Assistant Deputy Chief of Staff, Operations, Atomic Energy, February 1950-1951; Commandant, Air War College, Maxwell AFB, AL, 1951-1954; Commander, Third Air Force, United Kingdom, 1954-1957; retired 1961

Interview Coverage: 1945-1961

Interviewer: Dr. Henry L. Bowen

Date of Interview: 13 October 1961

Interview Medium: Transcript - Paper

Pages: 12

Finding Aids: AFHRA 774

Location: AFHRA

Wilson, Lt. Gen. Roscoe C.

Air Force Air Force - Third Air Force

Subject: **Program Management - Air Force**

Contents: Armed Forces Special Weapons Project (military agency responsible for training of military personnel in maintenance and use of atomic weapons); Operation CROSSROADS tests, 1946; problems with ADM Hyman G. Rickover concerning development of atomic reactors

Biography: Deputy Chief, Armed Forces Special Weapons Project, July 1947 - February 1950; Assistant Deputy Chief of Staff, Operations, Atomic Energy, February 1950-1951; Commandant, Air War College, Maxwell AFB, AL, 1951-1954; Commander, Third Air Force, United Kingdom, 1954-1957; retired 1961

Interviewer: Lt. Col. Dennis A. Smith

Date of Interview: 1-2 December 1983

Interview Medium: Transcript - Paper

Pages: 184

Finding Aids: AFHRA 1554

Location: AFHRA

Wilson, Walter D.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: Foreign military sales of F-15 aircraft to Israel (Peace Fox), to Japan (Peace Eagle) and to Saudi Arabia (Peace Sun); reports on programs for total operational support of F-15; necessary follow-on spares and support equipment; maintenance.

Interviewer: Dr. Richard W. Iobst

Date of Interview: 4 March 1980

Interview Medium: Transcript - Paper

Pages: 15

Finding Aids: AFHRA 1242

Location: AFHRA

Wilson, Walter D.

Air Force Air Force - Logistics Command

Subject: **Logistics - Air Force**

Contents: War readiness spare kits for F-15 aircraft; shortages of spares and supplies.

Interview Coverage: 1980

Interviewer: Dr. Richard W. Iobst

Date of Interview: 30 September 1980

Interview Medium: Transcript - Paper

Pages: 9

Finding Aids: AFHRA 1258

Location: AFHRA

Witter, RADM Raymond

Navy Navy - Space and Naval Warfare Systems

Subject: **Program Management - Navy**

Contents: Interview to collect information about the disestablishment of NAVMAT and establishment of SPAWAR; background information regarding the Navy's undersea surveillance programs; elaboration on the rationale behind transferring ASW programs to a single systems command; evaluation of PD 80, SPAWAR's ASW directorate; effects of the Defense Science Board's report as well as cross-platform responsibility for ASW and the fiscal problems encountered by PD 80; discussion of the program coordination efforts among the Naval Air Systems Command, Naval Sea Systems Command, SPAWAR, Office of Naval Research, and the Office of Naval Technology; discussion of the reorganization of PD 80 under ADM Witter, the effect of the Aspin report on the ASW program, and the interaction between PD 80 and SPAWAR 30, the WSA&E Directorate

Interviewer: Dr. Joseph Marchese

Date of Interview: 1 March 1990

Interview Medium: Transcript - Paper

Pages: 16

Location: DTRC

Wolfe, Lt. Gen. Kenneth B.

Air Force

Subject: **Program Management - Air Force**

Contents: Development of B-29 bomber.

Biography: Oversaw B-29 production

Interview Coverage: 1945-1966

Interviewer: Robert Piper, Space Systems Division History Office

Date of Interview: June 1966

Interview Medium: Transcript - Paper

Pages: 25

Finding Aids: AFHRA 788

Location: AFHRA

Wolfe, Lt. Gen. Kenneth B.

Air Force

Subject: **Program Management - Air Force**

Contents: Development of B-29 bomber; development of production specifications; selection of company to produce bomber; crash of first B-29; question of continuing production of aircraft; decision of Gen. H.H. Arnold and Robert A. Lovett, Assistant Secretary of War for Air, to continue; difficulties that arose with B-29 production; development of aircraft engines.

Biography: Oversaw B-29 production

Interview Coverage: 1940-1944

Interviewer: Dr. Alfred Goldberg

Date of Interview: 6 September 1952

Length of Interview: 0:30 hour

Interview Medium: Tape - Audio

Finding Aids: AFHRA 694

Location: AFHRA

Word, Thomas J.

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Program Management - Navy**

Contents: discussion of political problems facing NWC in the early 1980s; discussion of management philosophies, productivity, and bureaucracy; detailed remarks about the A-76/CA contracting controversy

Interviewer: Leroy L. Doig, III

Date of Interview: 28-29 November 1982

Interview Medium: Transcript - Paper

Access Information: access very limited

Pages: 94

Location: NWC

Yates, Lt. Gen. Donald N.

Air Force

Subject: **Test and Evaluation - Air Force**

Contents: Involvement in early missile program while Director of Research and Development at HQ USAF; AFMTC.

Biography: Commander, Air Weather Service; Assistant Chief of Staff of Development/Director for Research and Development, HQ USAF, Washington DC, 1950 - July 1954; Commander, Air Force Missile Test Center (AFMTC), Patrick AFB, FL, July 1954

Interview Coverage: 1945-1961

Interviewer: Dr. James C. Hasdorff

Date of Interview: 10-12 June 1980

Interview Medium: Transcript - Paper

Pages: 243

Finding Aids: AFHRA 1208

Location: AFHRA

Yeager, Brig. Gen. Charles E.

Air Force

Subject: **Test and Evaluation - Air Force**

Contents: Bell X-1 aircraft; nine years as nation's leading test pilot.

Biography: First pilot to fly Bell X-1; first pilot to break speed of sound; Commander, 417th Fighter Squadron; Commander, 1st Fighter Squadron, Moron AB, Spain; Commandant, Aerospace Research Pilot School; Commander, 405th Fighter Wing, Clark AB, Philippines, 1966-1967; Commander, 4th Tactical Fighter Wing, Seymour Johnson AFB, NC, and South Korea; Vice Commander, 17th Air Force, Ramstein AB, West Germany; U.S. Defense Representative to Pakistan; Director, Aerospace Safety, Office of USAF Inspector General, Norton AFB, CA

Interview Coverage: 1945-1975

Interviewer: Maj. Scottie S. Thompson

Date of Interview: 28-30 April 1980

Interview Medium: Transcript - Paper

Access Information: Copy 1 and 2 are unclassified

Pages: 377

Finding Aids: AFHRA 1204

Location: AFHRA

York, Col. Edward J.

Air Force Air Force - Military Air Transport Service

Subject: **Procurement - Air Force**

Contents: Military Air Transport Service; Western Air Transport Air Force; Titan I intercontinental ballistic missile (ICBM); Atlas ICBM; military-industrial complex.

Biography: Commandant, USAF Officer Candidate School; Defense Attaché, Copenhagen, Denmark; Commander, Site Activation Task Force, Titan I intercontinental ballistic missile; Commander, Air Force Security Service

Interviewer: Dr. James C. Hasdorff

Date of Interview: 23 July 1984

Interview Medium: Transcript - Paper

Pages: 91

Finding Aids: AFHRA 1592

Location: AFHRA

York, Dr. Herbert

Navy Advanced Research Projects Agency

Subject: **Research and Development - Navy**

Contents: Discussion of effects of Sputnik on Navy R&D; remarks about work at Chief Scientist of ARPA, selection to be first Director of Defense Research and Engineering (DDR&E); discussion of the rationale behind the creation of the DDR&E post, relationship of DDR&E to services, problems encountered in position; comments on SECDEF McNamara's effect on centralization of the armed

forces, DDR&E, and the general growth of the bureaucracy;
discussion of the effects of increased R&D on the escalation of the
arms race and trends in technology

Biography: Chief Scientist, Advanced Research Projects Agency

Interviewer: Albert B. Christman

Date of Interview: 24 September 1980

Interview Medium: Transcript - Paper

Pages: 40

Location: DTRC

Young, Ernest A.

Army **Army - Aviation and Missile Command**

Subject: **Research and Development - Army**

Contents: Accessible via <http://www.redstone.army.mil/history/oral/young.html>

Biography: Chairman, U.S. Army Missile Command (MICOM) Readiness
Organizational Refinements Planning Group, Redstone Arsenal, AL,
December 1980 - July 1981; Deputy to the Commanding General,
MICOM/U.S. Army Aviation Missile Command (AMCOM),
Redstone Arsenal, AL, June 1993 - 1998.

Interview Coverage: 1993-1998

Interviewer: Michael E. Baker and Claus R. Martel

Date of Interview: 30 July 1998

Interview Medium: Tape - Video

Location: USAMCOM

Younkin, Gene

Navy **Navy - Naval Weapons Center (China Lake)**

Subject: **Research and Development - Navy**

Contents: Discussion of career in the Ballistics Division and reflections on the
Sidewinder missile program; remarks about early career in the
Naval Ocean Testing Center's Ballistics Division; elaboration on
early Sidewinder development, simulation work, training of project
pilots

Interviewer: Elizabeth Babcock

Date of Interview: 12 July 1990

Interview Medium: Transcript - Paper

Pages: 40

Location: NWC; DTRC

Zimmerman, Lt. Col. Robert G.

Air Force **Air Force - Air Materiel Command**

Subject: **Procurement - Air Force**

Contents: Evaluates B-52 electro-optical viewing system program and its
problems

Biography: Air Force Plant Representative; Project Officer for B-52
electro-optical viewing system, Detachment 21, Boeing Aircraft
Company, Wichita, KS

Interview Coverage: 1957-1973

Interviewer: Herbert H. Kissling

Date of Interview: 19 July 1973
Length of Interview: 0:45 hour
Interview Medium: Tape - Audio
Finding Aids: AFHRA 681
Location: AFHRA

Zuckert, Eugene M

Air Force Air Force - Secretary

Subject: **Program Management - Air Force**

Contents: Under Secretary of War Stuart Symington; congressional leaders; administration officials; problems and solutions as Air Force emerged from Army Air Corps; service on Atomic Energy Commission

Biography: Special Assistant to the Secretary of War for Air, HQ USAAF, Washington DC, 1946-1947; Assistant Secretary of the Air Force, HQ USAF, Washington DC, 1947-1952; Secretary of the Air Force, HQ. USAF, Washington DC, January 1961 - September 1965

Interview Coverage: 1945-1965

Interviewer: Jerry N. Ness

Date of Interview: 27 September 1971

Interview Medium: Transcript - Paper

Pages: 83

Finding Aids: AFHRA 1286

Location: AFHRA

Zuckert, Eugene M.

Air Force Air Force - Secretary

Subject: **Program Management - Air Force**

Contents: Career as Secretary of the Air Force; leadership in military; challenges while serving with Air Force; Secretary of the Air Force Stuart Symington and Secretary of Defense Robert S. McNamara as great executives; dealings with Congress; Gen. Carl Spaatz and political intuition; Gen. Hap Arnold as leader; decision-making process; comparison between Spaatz and Arnold; creation of Comptroller in Air Force; assessment of Gen. Hoyt Vandenberg; selection of Gen. Thomas D. White as USAF Chief of Staff; Gen. Curtis LeMay as leader and Chief of Staff; LeMay-McNamara-Zuckert relationship; B-70 aircraft; B-1 decision; Gen. John P. McConnell's selection as Chief of Staff; role of Service secretary; Long-Range Objectives Group participants; management versus leadership

Biography: Special Assistant to the Secretary of War for Air, HQ USAAF, Washington DC, 1946-1947; Assistant Secretary of the Air Force, HQ USAF, Washington DC, 1947-1952; Secretary of the Air Force, HQ. USAF, Washington DC, January 1961 - September 1965

Interviewer: Dr. Edgar F. Puryear, Jr.

Date of Interview: 28 September 1977

Interview Medium: Transcript - Paper

Pages: 51

Finding Aids: AFHRA 1525

Location: AFHRA

Zuckert, Eugene M.

Air Force Air Force - Secretary

Subject: Program Management - Air Force

Contents: Association with Secretary of the Air Force/Sen. Stuart Symington; management control through cost control; benefits of comptrollership; military versus civilian control in Department of Defense; Unification Act of July 1947; Secretary of the Air Force Thomas K. Finletter as manager; power and authority of Office of Secretary of the Air Force and Office of Secretary of Defense.

Biography: Special Assistant to the Secretary of War for Air, HQ USAAF, Washington DC, 1946-1947; Assistant Secretary of the Air Force, HQ USAF, Washington DC, 1947-1952; Secretary of the Air Force, HQ. USAF, Washington DC, January 1961 - September 1965

Interviewer: Dr. George M. Watson, Jr., Office of Air Force History

Date of Interview: 27 April 1982

Interview Medium: Transcript - Paper

Pages: 62

Finding Aids: AFHRA 1348

Location: AFHRA

Zuckert, Eugene M.

Air Force Air Force - Secretary

Subject: Program Management - Air Force

Contents: Various personnel within or related to Office of Secretary of the Air Force as it worked from bureaucracy of Army Air Forces during World War II through administrations of W. Stuart Symington and Thomas K. Finletter, under whom Zuckert served, to leadership of Zuckert himself; differences between Symington and Finletter; salvaging of Air Force reorganization plans; effects of Korean War on Air Force; growth in power of Office of the Secretary of Defense, especially under Robert S. McNamara.

Biography: Special Assistant to the Secretary of War for Air, HQ USAAF, Washington DC, 1946-1947; Assistant Secretary of the Air Force, HQ USAF, Washington DC, 1947-1952; Secretary of the Air Force, HQ. USAF, Washington DC, January 1961 - September 1965

Interviewer: Dr. George M. Watson, Jr., Office of Air Force History

Date of Interview: 24 January 1984

Interview Medium: Transcript - Paper

Pages: 42

Finding Aids: AFHRA 1582

Location: AFHRA

Zuckert, Eugene M.

Air Force

Air Force - Secretary

Subject: Program Management - Air Force

Contents: Selection of Zuckert as Secretary of the Air Force (SAF) by Secretary of Defense Robert S. McNamara; relationship with McNamara; comparison of McNamara with other secretaries of defense that Zuckert worked for; expectations of SAF position; tenures of W. Stuart Symington and Thomas K. Finletter as SAF; role of assistant secretaries of defense under McNamara; disadvantages of coming to SAF position with considerable experience; Symington Committee; Symington's support of National Security Act; appointment of Joseph Charyk as Under Secretary; Brockway McMillan as Assistant Secretary for Research and Development; Neil Harlan; Leonard Marks, Jr.; role of Joseph S. Imirie as Assistant Secretary of the Air Force; Robert H. Charles as Assistant Secretary for Installations and Logistics; Charles' predecessor, Alan I. McCone; disagreements between Secretary of the Navy James Forrestal and Symington on problems such as B-36 aircraft; relationship between Air Force and National Aeronautics and Space Administration; establishment of Defense Logistics Agency; experience with first Atlas missile launch; missile theory; perception of SAF position and how Zuckert operated in that position; congressional TFX (F-111/FB-111) hearings; relations with Congress; Gen. Thomas D. White's tenure as Air Force Chief of Staff; White's dismissal and replacement with Gen. Curtis LeMay; Gen. William McKee, Air Force Vice Chief of Staff; relationship with other service secretaries and service rivalries; typical day for SAF; cancellation of Skybolt program; dealings with presidents John F. Kennedy and Lyndon B. Johnson; selection of Gen. John P. McConnell to replace LeMay as Chief of Staff; B-70 aircraft; F-111 aircraft controversy.

Biography: Special Assistant to the Secretary of War for Air, HQ USAAF, Washington DC, 1946-1947; Assistant Secretary of the Air Force, HQ USAF, Washington DC, 1947-1952; Secretary of the Air Force, HQ. USAF, Washington DC, January 1961 - September 1965

Interviewer: Dr. George M. Watson, Jr.

Date of Interview: 3-5, 9 December 1986

Interview Medium: Transcript - Paper

Pages: 159

Finding Aids: AFHRA 1763

Location: AFHRA

Zuckert, Eugene M.

Air Force

Air Force - Secretary

Subject: Secretary - Air Force

Biography: Secretary of the Air Force, 1961-1965

Interview Medium: Transcript - Paper

Access Information: Open

Location: Johnson Library

Zuckert, Eugene M.

Air Force Air Force - Secretary

Subject: Secretary - Air Force

Biography: Secretary of the Air Force, 1961-1965

Interview Medium: Transcript - Paper

Access Information: Open

Location: Kennedy Library

Zuckert, Eugene M.

Air Force Air Force - Secretary

Subject: Procurement - Air Force

Contents: Comparison of years as Secretary of the Air Force (SAF) and Assistant Secretary of the Air Force; manned bomber versus missile; management in Department of Defense under Secretary of Defense Robert S. McNamara; roles and missions; role of Service secretary; lack of policymaking role; relationship with Joint Chiefs of Staff; interservice rivalry; Gen. Curtis E. LeMay; Gen. Thomas D. White; Gen. John P. McConnell; system management within Air Force; C-5A aircraft program; F-111 aircraft; Skybolt; B-70 program; National Aeronautics and Space Administration - USAF relationship; status of USAF conventional war capability; military-industrial complex; contrast of President John F. Kennedy and President Lyndon B. Johnson; military uses in space; weapon system cost and maintenance; SAF relationship with Congress; Dr. Harold Brown; typical business day for SAF.

Biography: Special Assistant to the Secretary of War for Air, HQ USAAF, Washington DC, 1946-1947; Assistant Secretary of the Air Force, HQ USAF, Washington DC, 1947-1952; Secretary of the Air Force, HQ. USAF, Washington DC, January 1961 - September 1965

Interview Coverage: 1947-1965

Interviewer: Col. John L. Frisbee

Date of Interview: 1 September 1965

Interview Medium: Transcript - Paper

Pages: 84

Finding Aids: AFHRA 763

Location: AFHRA

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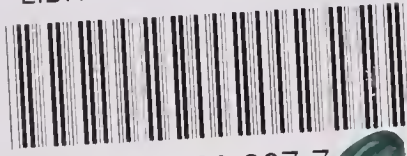
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